Patent Reforms Backed by Berge—Page 3

Oil, Paint and Drug Reporter

The Chemical Market Authority Since 1871

ABC

Volume 147 No. 8 | Schnell Publishing Company, Inc., Publishers | February 19, 1945

CALL ON
Baker
FOR
TONNAGE CHEMICALS
To High Purity Specification
J. T. BAKER CHEMICAL CO. Phillipsburg, N.J.
NEW YORK PHILADELPHIA CHICAGO

ACETIC ACID
PROMPT DELIVERIES
TANK CARS
CARBOYS BARRELS
WM. S. GRAY & CO.
342 MADISON AVENUE, NEW YORK 17
Cable Address: Graylime Phone: MUrray Hill 2-3100

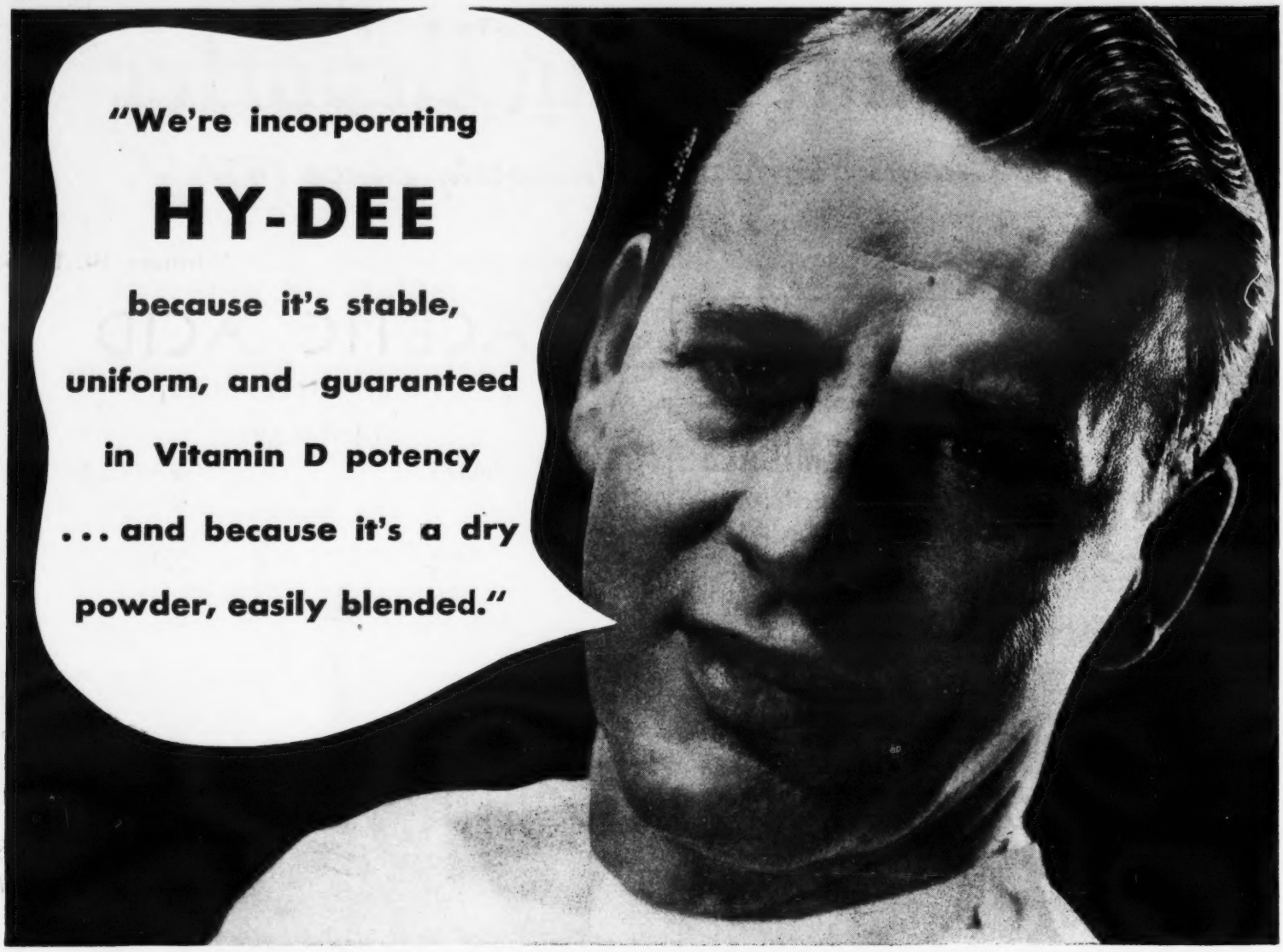
DIETHYLAMINOETHANOL
DIBUTYLAMINOETHANOL
SHARPLES CHEMICALS INC.
PHILADELPHIA CHICAGO NEW YORK

RECEIVED
FEB 19 1945
THE CHEMISTS' CLUB
LIBRARY

DU PONT
REG. U.S. PAT. OFF.
SYMBOLS OF PROGRESS IN THE DEVELOPMENT OF HIGH-PRESSURE SYNTHETIC CHEMICALS
HIGH-PRESSURE SYNTHETIC CHEMICALS
E. I. DU PONT DE NEMOURS & CO. INCORPORATED
Ammonia Department . . . Wilmington 98, Del.
BETTER THINGS for BETTER LIVING . . . THROUGH CHEMISTRY

SODIUM TUNGSTATE
SODIUM MOLYBDATE
PRIOR CHEMICAL CORPORATION • NEW YORK
420 LEXINGTON AVENUE
Chicago Office: 230 N. Michigan Ave.
Selling Agents for
CHEMICAL DIVISION
MOLYBDENUM CORPORATION OF AMERICA

BORAX—BORIC ACID
Technical — U. S. P. — Special Quality
Crystal—Granulated—Powdered—Impalpable—Anhydrous
Manganese Borate Potassium Borate
Sodium Metaborate
Ammonium Pentaborate Ammonium Biborate
PACIFIC COAST BORAX COMPANY
51 Madison Avenue, New York 10
CHICAGO 16 LOS ANGELES 14



Fleischmann's
HY-DEE
Irradiated Yeast Powder

This product has found widespread acceptance in the pharmaceutical field.

HY-DEE Irradiated Yeast Powder is a pure dry brewer's yeast irradiated to provide the high Vitamin D potency required for satisfactory use in tablets, capsules and dry mixtures of all types. It is guaranteed to contain not less than 24,000 U. S. P. units of Vitamin D per gram or money will be refunded.

Being a dry powder, it is always easily incorporated, even in the winter time.

STANDARD BRANDS INCORPORATED

Pharmaceutical Division

595 Madison Avenue New York 22, N. Y.

Products containing
VITAMIN D

Fleischmann's Irradiated Dry Yeast
Type 700-H

Standard Brands Viosterol
(Activated Ergosterol) Steenbock Process

Products containing
NATURAL B COMPLEX FACTORS

Fleischmann's
Pure Dry Primary Yeasts (*Brewer's Strain*)

Fleischmann's
Bee-Flex Products

Fleischmann's
Brewer's Yeast Extract, Types 3 and 41

Fleischmann's
Yeast Extract and Liver

Oil, Paint and Drug Reporter

Founded 1871 by William O. Allison *Published by Schnell Publishing Co., Inc.*

Vol. 147 No. 8 New York 7, N. Y. February 19, 1945

RECEIVED FEB 19 1945 THE CHEMISTS' CLUB LIBRARY

Research Projects Reported by WPB

OPD Washington Bureau

Research projects that have been coordinated and expedited by the Office of Production Research and Development of the War Production Board in the last year have made important contributions to increased war production, WPB reported today.

OPRD-sponsored projects have developed successful substitutes for scarce tin, light metal alloys, wood pulp, rubber, adhesives and ship timbers, WPB said. Scores of research projects carried out under OPRD sponsorship have developed valuable wartime processes ranging from more efficient operation of blast furnaces, which increased production from furnaces by 10 percent, to an electrical method for piercing diamonds, which cut the time required to produce a diamond die for drawing fine communication wire from 200 hours to 50 hours.

As the technical research agency for WPB, OPRD does not itself carry out the research and tests, but evaluates, initiates, finances, and coordinates practical wartime research projects. The actual research work has been and is being done by academic and industrial research groups. In those instances where the research is not of immediate commercial value, but is necessary to the prosecution of the war, OPRD has supplied necessary funds. The importance of its functioning, said Donald B. Keyes, OPDR director, is measurable not by the amount of research expenditures, but by its effect in increasing and expand-

—Continued on page 53

Du Pont Co. Offers 35 Research Fellowships

Thirty-five postgraduate fellowships at twenty-nine universities are offered by E. I. du Pont de Nemours & Co., Wilmington, for the academic year of 1945-46. This is an increase of 13 over previous years and for the first time includes two fellowships in physics, reflecting the increasing need for physicists in the chemical industry. Five of the fellowships are in chemical engineering and 28 in chemistry.

Two changes have been made in the fellowship plan this year. First, in order to equalize the value of fellowships among the various universities, where tuition rates differ, the company is paying the tuition in addition to the stipend. And second, the amount of the stipend has been increased from $750 to $1,000. Women as well as men are eligible, and selection of the recipients and the subjects of their researches is left to the universities. Holders of these fellowships are not restricted in any way in their choice

—Continued on page 39

A.C.S. Pittsburgh Award Won by Leonard Cretcher

The Pittsburgh Award for outstanding service to chemistry was presented February to Dr. Leonard Harrison Cretcher, assistant director of Mellon Institute and head of its department of research in pure chemistry. The award is presented annually by the Pittsburgh Section of the American Chemical Society to a person who "does work worthy of note toward increasing chemical knowledge, promoting industry, benefiting humanity or advancing the Pittsburgh Section."

Dr. Cretcher, who was cited for achievement in research in pure chemistry, is a former member of the staff of Rockefeller Institute for Medical Research in New York City. During the first World War he served overseas as a captain in the Chemical Warfare Service. Following the war he was with the National Aniline & Chemical Company as research chemist in Brooklyn and Buffalo. He joined the faculty of Mellon Institute in 1922.

Leaves Sterling Drug

Blank & Stoller Photo

Harold B. Thomas, vice-president of Sterling Drug, Inc., has resigned, effective March 1, to join Thomas L. L. Ryan as a partner in the advertising agency of Pedlar & Ryan, Inc.

Research Board of Nat'l Security Established

OPD Washington Bureau

Creation of a new board to be known as the Research Board of National Security, to serve in the interim between the expiration of the present Office of Scientific Research and Development and the establishment by Congress of an independent agency, was announced jointly February 12 by Secretary of Navy James V. Forrestal.

—Continued on page 56

DCAT Committees Named for 1945

Various committees of the Drug, Chemical and Allied Trades Section of the New York Board of Trade have been appointed. Chairmen of these committees are:—

Auditing, H. S. Crosson, of McKesson & Robbins, Inc.; bulletin, C. M. Anderson, of Merck & Co.; finance, R. B. Magnus, of Magnus, Mabee & Reynard, Inc.; legislative, C. M. Anderson, of Merck & Co.; sub-committee on tariffs, E. H. Killheffer, of E. I. duPont de Nemours & Co.; membership, L. I. Volckening, of the Ivers-Lee Company; section affairs, H. M. Altshul, of Ketchum & Co.

Patent Reforms of Voorhis Bill Backed by Berge at Hearing

OPD Washington Bureau

Congressional enactment of the Voorhis bill (H. R. 97) to declare any patent null and void which is used in such a way as to stifle competition or otherwise violate the antitrust laws was urged February 14 by Wendell Berge, Assistant Attorney-General in charge of the antitrust division, before a subcommittee of the house judiciary committee.

The bill has four primary objectives:—(1) It would authorize the United States to intervene in any private litigation involving the validity, scope, or infringement of any patent; (2) it would require the registration of all patent agreements; (3) it would render unenforceable any patent that has been used illegally; and (4) it would limit the scope of the patent monopoly.

Although similar to legislation introduced last session, the bill would seek to close the loophole shown to exist in the present antitrust laws by the Supreme Court of the United States last month in the Hartford-Empire "glass trust" case that, even though the antitrust laws had been violated, such violations must be overruled in the absence of any congressional penalty on the misuse of patents.

Obstructive Tactics Charged

Mr. Berge told the committee that, in the light of this decision of the court, legislation along the lines of the Voorhis bill is "urgently called for." Since the outset of the war, he said, we have been forcibly compelled to realize that patents in numerous instances have not been used to promote science and useful arts, but have been misused to accomplish exactly the opposite effect. The decision in the Hartford-Empire case, he added, has made this situation more acute.

He presented evidence of a number of "abuses" of patent rights which have been uncovered in the department's antitrust investigations and dwelt at some length on the so-called "Vitamin D case" which is now in

—Continued on page 62

Phila. Chemical Club Re-Elects Officers

W. R. E. Andrews, head of the W. R. E. Andrews Sales Company, and sales manager for the Brooklyne Chemical Works, has been re-elected

W.R.E. Andrews

president of the Philadelphia Chemical Club. Other officers re-elected were:—

Vice-president, Leroy Fischer, of the Philadelphia Quartz Company; secretary, G. B. Heckel, jr., of Paint Industry Magazine; treasurer, S. Nelson MacFaul, of the Merchants Chemical Company.

The nominating committee of the club asked for the re-election of the officers for 1945 on the basis that during 1944 the club showed an increase of 50 percent in membership. The next meeting of the club will be held March 12.

Vitamin D Monopoly Denied by WARF

Charges of monopoly and price-fixing with relation to its patent control of vitamin D were denied by the Wisconsin Alumni Research Foundation in Federal Court, Chicago, February 14. The foundation at that time filed its answer in the government's suit under the antitrust act, in which it is codefendant with almost a score of its licensed vitamin manufacturers and one individual.

The foundation's answer points out that it cannot monopolize vitamin D because the article is derived from other sources besides the irridation method of the Steenbock patent. It also declares that the controls it exercises on the use of vitamin D by licensees are "in the public interest." These controls, it said, are (1) regulation of the vitamin in food products to remedial, rather than preventive dosages; (2) denial of licenses with a purpose of preventing fraud upon the public.

Patents Rights Lapse Protection Is Asked

OPD Washington Bureau

Whenever valuable patent rights have lapsed or will lapse without the patent owners obtaining a reasonable reward for their efforts, due to a war, a period of national emergency, or other unforeseen circumstances, the President would have authority to extend the life of such patents for an additional seventeen years under the terms of a bill (H.R. 2043) introduced in the house by Representative William A. Rowen of Illinois.

Refusal of the President to grant the relief sought in a petition properly filed could be appealed to the United States Court of Claims, which would have exclusive jurisdiction to review such proceedings.

Food and Drug Law Prohibits Shipment of Colored Poppyseed

OPD Washington Bureau

Authority of the Food and Drug Administration to halt the interstate movement of articles that have been so changed in appearance as to be misleading to the public has been greatly strengthened, officials report, by a recent decision of the United States Circuit Court of Appeals for the Sixth Circuit growing out of seizure and condemnation of poppyseeds.

The court held, in its decision of January 31, which has just been reported to FDA headquarters here, that the test of whether an article is adulterated within the meaning of the food, drug, and cosmetic act is not whether dealers or traders in the article are deceived, but whether the ultimate purchaser will be misled. Officials said that the ruling has placed a new construction on the adulteration provisions of the act, which should go far in keeping down consumer deception in interstate commerce. Although an article might be clearly labeled to show that it is not what it appears to be, and the trade knows this to be true, the fact that it might possibly be used to deceive the public is sufficient evidence to hold the article as being adulterated, it was pointed out.

Indian Seeds Painted

The poppyseeds in question has been shipped by the Arco Products Company, Brooklyn, N. Y., to jobbers and not to ultimate consumers. Prior to shipment they had been colored with a pigment made from burnt poppyseeds. They were products of British India, but after being colored they had the appearance of the more expensive Dutch and Turkish seeds although they were smaller in size. There was no difference in flavor or food value and when shipped to the jobbers they were labeled:—"Produce of British India. Artificially colored with vegetable colors."

The district court had ruled that the shipments did not violate the law, reasoning that, inasmuch as the jobbers, who were the consignees, were well aware of the distinctions between the seeds "the legality of the

—Continued on page 56

OPD Price Index

The Oil, Paint and Drug Reporter's relative record of prices for chemicals and related materials is currently as follows:—

Feb. 16, 1945	Feb. 9, 1945	Feb. 18, 1944
133.1	133.2	138.2

The base of the OPD Price Index is the average of prices in 1926 and 1936, those years representing extremes of price undulations in the interwar period.

A concessive attitude was a bit more pronounced last week in price views in the markets for chemicals, oils, and drugs, spreading beyond the vegetable kingdom in at least one instance. The Pacific coast price was the only quicksilver one boosted in the period.

There was a bigger apparent interest in some lines, but transportation was still a bottleneck for the movement of goods. There was also an apparent easing of manpower here and there as the attitude of Congress toward a work draft began to show signs of further softening. This easy attitude toward "somebody else's war" is going to be reflected in the making of the peace—and a lot of folks are going to be astonished thereat!

Carbon Black Use To Be Curtailed

OPD Washington Bureau

Steps to curtail carbon black consumption to the extent of 10,000,000 pounds monthly has been announced by James F. Clark, director of the War Production Board's Rubber Bureau.

The conservation program for carbon black was reflected in an amendment to the WPB rubber regulations (list 35 appendix II to rubber order R-1). The director of the Rubber Bureau explained that not only has a limitation been placed on the total permitted amount of carbon black for each rubber product but also a special limitation has been imposed concern-

—Continued on page 57

Gallows Birds Convict Gang of Twenty-Two

At a regular session of the Society of Gallow Birds, February 8, in Washington, charges of paint specificationeering were heard by a court headed by Lt.-Cmdr. A. E. Egeter. The following were convicted into membership in the organization:—

J. W. Ayers, C. K. Williams & Co.; Earl Bailey, United States Army Engineering Corps; E. H. Bucy, Atlas Powder Company; Capt. C. F. Cotton, United States Navy; V. M. Darsey, Parker Rustproof Company; H. L. Fink, Office of Quartermaster-General; Wells Martin, War Production Board; J. H. McKenzie, American Can Company; W. A. McKim, General Printing Ink Corporation; Arthur Minich, Nuodex Products Company; P. G. Pearson, United States Maritime Commission; Oliver Reeder, Baltimore Copper Paint Company; William Rothemich, RBH Dispersions, Inc.; R. S. Shutt, Glidden Company; G. C. Smith, Berry Brothers; K. G. Sodenberg, Office of Conservation office; E. T. Trigg, National Paint, Varnish and Lacquer Association; L. J. Waldron, National Bureau of Standards; F. S. Weed, Rinshed Mason Company; R. W. White, War Department; R. F. Wysocki, Forbes Varnish Company; A. Z. Ziemer, Glidden Company.

Donald Price Heads Oakite Research

Dr. Donald Price, formerly associated with the Interchemical Corporation and National Oil Products Company, author of many technical papers on organic and physical chemistry and well known for his research work on sulfonated oils, wetting agents, synthetic detergents, textile finishes and water-repellants, has been appointed technical director of Oakite Products, Inc., New York.

Dr. Price will direct the activities of Oakite's chemical and engineering staff and research laboratory in connection with company plans to expand its technical service facilities to the various branches of the textile industry.

Industrial Relations Head

Conway Studio

John H. Holzbog has been appointed vice-president and director of industrial relations of William R. Warner & Co., and its affiliated companies, Richard Hudnut, Inc., and Standard Laboratories, Inc. Mr. Holzbog was formerly director of industrial relations for the Western Cartridge Company, East Alton, Ill.

Penicillin Capsules Developed by Lederle

Development of a method making possible the administration of penicillin by mouth has been announced by the Lederle Laboratories, Inc., a subsidiary of the American Cyanamid Company, New York. The technical report of the new process was disclosed by Dr. Raymond L. Libby, its discoverer, in an article in Science, official organ of the American Association for the Advancement of Science.

Efforts had been made in all leading biological and medical research laboratories since 1941 to prepare penicillin in a form that could be given by mouth. Dr. Libby solved the problem by suspending penicillin in cottonseed oil, which is digestible, and placing the suspension in a gelatine capsule. He made us of the well-known fact that fats and oils are not split up and digested in the acids of the stomach, but are emulsified and digested in the small intestines.

As a result, when this doubledeck capsule reaches the stomach, the gelatine covering dissolves, but the penicillin, suspended in its protective oil coating, passes safely down the small intestine, where the oil breaks up and releases the penicillin for absorption by the bloodstream.

Baekeland's Memory Honored by Chemists

More than 350 persons attended the memorial meeting, February 9 in New York, commemorating the scientific and industrial achievements of the late Dr. Leo Hendrik Baekeland, inventor of the first modern plastic. The gathering was sponsored by the American section of the Society of Chemical Industry and the New York section of the American Chemical Society.

Dr. Wallace P. Cohoe, former president of the Society of Chemical Industry, traced the career of Dr. Baekeland in Belgium and in the United States, outlining the pioneer investigations which led to the invention of phenol-formaldehyde resins in 1907 and presenting various aspects of his charming personality.

George K. Scribner, president of the Boonton Molding Company, spoke of the early days of plastics manufacture, recalling Dr. Baekeland's contributions and the subsequent introduction of plastics to the automotive, telephone, radio, and other industries. A mere listing of the uses of the original plastic that Dr. Baekeland invented, he said, would now fill a book—"an encyclopedia of almost all the contacts of the human race."

Obituaries

Dr. Charles F. Burgess

Dr. Charles F. Burgess, founder of the Burgess Battery Company and inventor of the process for electrolytic purification of iron, died February 13. He was seventy-two years of age.

Dr. Charles F. Burgess

Born in Oshkosh, Wis., Dr. Burgess graduated from the University of Wisconsin from which he received the degree of bachelor of science in 1895 and the degree of electrical engineer in 1898. From 1895 to 1913, he was a member of the engineering faculty of his alma mater, first as an instructor and later as professor of applied electrochemistry and chemical engineering. In 1928, the university conferred on him the degree of doctor of science.

While a member of the faculty of the university, Dr. Burgess established, in 1910, the C. F. Burgess Laboratories, Inc., a research organization of which he had ever since been president and general manager. In 1917, he organized the Burgess Battery Company, of which, also, he was president and general manager. These enterprises are carried on in Madison, Wis., and New York. Dr. Burgess was also chairman of the board of the Burgess-Parr Company and the Burgess Cellulose Company, and a director of the Wisconsin Bank Shares Corporation.

In 1932 he won the Perkin Medal, bestowed annually on "the American chemist who has most distinguished himself by his services to applied chemistry." Ten years later he received the Acheson Medal from the Electrochemical Society.

Surviving are his wife, a son and daughter.

Col. W.H. Eaton

Col. W. H. Eaton, jr., was killed in a plane crash in France February 6, according to notification received from the War Department. Only thirty-eight, Col. Eaton was sales manager of the Shell Oil Company at the time of his entry into the service, and along with seventy-seven other colonels was up for confirmation in the senate today to the rank of brigadier-general. His promotion was among those accompanying the Elliott Roosevelt nomination which has been delayed by the senate for the past few weeks.

Stephan C. Kreyns

Stephan C. Kreyns, a research metallurgist at the American Smelting & Refining Company, Perth Amboy, N. J., for the last twenty years, died February 7. He was forty-four years of age.

Surviving are his wife, a daughter and two sons.

George W. Lewis

George W. Lewis, assistant manager of the laboratory chemical division of Merck & Co., manufacturing chemists, Rahway, N. J., died in Asbury Park,

—Continued on page 39

Oil, Paint and Drug Reporter, Vol. 147, No. 8, February 19, 1945. Published weekly by Schnell Publishing Company, Inc., 59 John St., New York 7, N. Y., U. S. A. Tel. REctor 2-9820. Subscription price:—United States and possessions, Cuba, Mexico, Central America and South America, $5; Canada and Newfoundland, $7; other countries, $10. Entered as second-class matter, January 15, 1884, at the New York Post Office under the act of March 3, 1879. Copyright, 1945, by Schnell Publishing Company, Inc.

Table of Contents

News and Statistics

A.C.S. P'burgh Award to Cretcher.... 3
Argyle Advanced by PAW..... 4
Allocated Chem. Authorization Eased. 5
Baekeland's Memory Honored..... 4
Bichromates Ceilings Raised..... 49
Butadiene Production at Kobuta..... 7
Carbon Black Use Curtailed..... 4
Chem. Allocation Extensions..... 35
Chi. Perfumery Ass'n Committees.... 60
Chromic Acid Ceiling Up..... 35
Coke By-Products..... 41
Collapsible Tubes Under Imp. Control. 5
Colored Poppyseed Shipment Banned. 3
Conventions Cancelled..... 7
Copenhaver to Indust. Oil Products.. 47
Craig Returns to PAW..... 62
DDT Available for Experimental Use. 7
DSC Surplus Chemicals Offered..... 7
DuPont Co. Offers 35 Fellowships..... 3
Ethyl Ether Under Allocation..... 7
Export Service Bureau Opened..... 62
Fumigators to Be Licensed..... 66
Folding Boxes Pulp Quota Discussed. 62
Gallows Birds Convict Twenty-Two. 4
Holzbog Joins Warner Co..... 4
Huisking Honored Posthumously..... 5
Inter-Amer. Tech. Economic Parley.. 7
Matches Allocated..... 5
Mining Inst. Medalists Named..... 7
Monsanto Co. New CWS Plant..... 38
OPA Revises Special Packing Rule.... 5
Patent Reforms Backed by Berge.... 3
Patent Right Lapse Protection Asked. 3
Penicillin Capsules Developed..... 4
Price Heads Oakite Research..... 4
Penna. Salt DDT Facilities Complete. 38
Pharmacal Information Office Set.... 53
Phila. Chemical Club Re-elects..... 3
Potash Allocation Period..... 57
Pressure-Type Tankcars Demurrage.. 5
Price-Control Act Extension Asked.. 5
Research Board of National Security. 3
Research Projects Reported..... 3
RFC Subsidies Extension Asked..... 7
Rhode Chemical Formed..... 38
Schering Plans Expansion..... 66
Sheehan Leaves Grasselli..... 38
Solon Made Whitehall Pharmacal Mgr. 60
Spencer WPB Bldg. Materials Head... 5
Steel Drum Adv. Group Named..... 5
Steuben Glass Elects La Follette..... 53
Stewart Byproduct Dep't Head..... 41
Superphosphate, Nitrogen to Increase. 7
Tenn. Phos. Rock Higher..... 57
Thomas Leaves Sterling Drug..... 3
Tin Order Amended..... 35
TVA Curb Sought..... 37
Vitamin D Monopoly Denied..... 3
Warner & Co. Names Rogers..... 53
Zanetti Gets Legion of Merit..... 56

General Features

Bids Wanted..... 4
Current Market Quotations..... 9
Editorials 32
Imports 37
Obituaries 4
OPD Price Index..... 4
Professional Services..... 41

Market Reports

Agricultural Chemicals..... 57
Botanical Drugs, Spices, Gums..... 59
Coaltar Chemicals..... 40
Drugs and Fine Chemicals..... 51
Essential Oils, Other Aromatics..... 61
Fertilizer Materials (see Agric. Chem.).
Heavy Chemicals..... 35
Oils, Fats and Waxes..... 46
Petroleum Derivatives..... 63
Protective Coatings Materials..... 42
Textile and Leather Chemicals..... 49

PAW Raises Argyle In Refining Group

OPD Washington Bureau

Appointment of William R. Argyle, Swarthmore, Pa., as associate director of the Refining Division of the Petroleum Administration for War was announced February 16 by Deputy Petroleum Administrator Ralph K. Davies. Mr. Argyle had been assistant director of the division since September, 1943.

At the same time, Mr. Davies announced the appointment of Bonner Barnes general superintendent of refineries for the Gulf Oil Corporation, Texas, as assistant director of refining in charge of refining operations and technical processes in the position vacated by Mr. Argyle.

Bids Wanted

Chlorine, Liquid:—Chief Clerk, Department of Justice, Bureau of Prisons, U. S. Penitentary, Terre Haute, Ind.; invitation 31-1938, opening February 23.

Diesel Fuel Oil:—Office of the Bureau of Purchases and Supplies, Cleveland Transit System, Cleveland; resolution No. 8-45, opening February 23.

Linseed Oil, Raw:—62,000 pounds, General Purchasing Officer, The Panama Canal, Washington (25); schedule 7736, opening February 21.

Paints:—Chief Clerk, Department of Justice, Bureau of Prisons, U. S. Penitentary, Terre Haute, Ind.; invitation 31-1937, opening February 23.

Salad Oil:—13,345 gallons, Procurement Division, Veterans Administration, Washington (25); invitation 76-S, opening February 21.

Zinc Oxide Pigment:—100,000 pounds, General Purchasing Officer, The Panama Canal, Washington (25); schedule 7736, opening February 21.

Allocated Chemicals Use Authorization Simplified

Simplified procedure to obtain extension of authorization for use of allocated chemicals has been announced by the Chemicals Bureau of the War Production Board. A single letter may be written to the War Production Board, Chemicals Bureau, Allocations Officer, Washington 25, D. C., listing all allocated chemicals and allied products for which an extension of authorization for use is requested beyond the limit set by order M-300, paragraph (v) or by any other Chemicals Bureau order.

In this letter, the applicant should list each material, the applicable M-300 schedule or other order, each use for which authorization has expired, the unused quantity previously authorized for that use, the original allocation period, the date the material was ordered from the supplier, the requested shipping date, the date of arrival, and the requested time extension. If a number of materials are to be used together this fact should be mentioned in the letter.

Matches Placed Under Allocation

To provide a control for the distribution of matches in view of greatly increased military demands coupled with requirements for newly liberated areas, the War Production Board has placed matches under the allocation control of schedule 92 of order M-300, the general chemicals allocation order.

A critical labor shortage within the match industry has prevented the industry from meeting normal production goals, WPB said. Approximately 460,000,000,000 matches will be produced in 1945, as compared with an average pre-war production of from 480,000,000,000 to 490,000,000,000. Of this production, approximately two-fifths will be strike-anywhere matches, two-fifths book matches, and one-fifth strike-on-box matches.

The military will require the entire production of strike-on-box matches and about 35 percent of the book matches produced in 1945. This is approximately a third of the over-all match production. While all types of matches may not be available for civilian use, the supply of strike-anywhere matches should be adequate to meet civilian needs if hoarding is avoided, WPB said. The initial allocation date is March 1.

Price-Control Act Extension Asked

The life of the price-control act and the stabilization act would be extended eighteen months to December 31, 1946, under terms of a resolution (H. J. Res. 101) introduced in the house February 12 by Representative Brent Spence of Kentucky, chairman of the committee on banking and currency. A similar resolution (S. J. Res. 30) was introduced simultaneously in the senate by Senator Robert Wagner of New York, chairman of the committee on banking and currency. Under existing law the two acts would expire June 30, next.

OPA Revises Rule For Special Packing

Sellers of commodities other than food to the government may increase their charges for special packing to meet specified requirements when they perform the packing operation themselves, the Office of Price Administration has announced.

The increase, effective February 22, 1945, is a percentage of profit on the packing not greater than the margin the seller is allowed on the sale of the product itself. A limit of 10 percent on this profit margin, however, is provided.

Spencer WPB Building Materials Div. Head

Warren Spencer has been made director of the Building Materials Division of the War Production Board, to succeed John Haynes, who was named director of the Construction Bureau late last December. Mr. Spencer is a native of Washington, D. C., and has been engaged in the contracting business here since 1925.

Washington Talks It Over

Observations • Prognostications • Developments

By OPD Observer

The probabilities of what Congress eventually will do about the manpower problem appears to be anybody's guess, with most of the guessing along the line that, if any bill is passed at all, it will be some measure based solely on compromises in which all opposing factions can claim a victory, but which will fall far short of meeting the situation in which some industries find themselves.

From the beginning Congress has been unwilling to tackle the problem in a straightforward manner. The members are convinced that the situation isn't as bad as it has been represented, and feel that if it was left alone it would work itself out. And the tactics of the military in pulling first in one direction and then in another has added to the confusion and lessened the chances of a strong bill being enacted.

What Congress would rather do is make a thorough investigation of the actual manpower situation to find out for itself just what the condition is. Reports persist that the so-called "bad situation" really is only a spotty, temporary maladjustment of available labor. Such an investigation would take time, however, and members are afraid they would be accused of stalling if they made such a probe. In the meantime they are dawdling along, looking for an early break on the battlefront that will make manpower legislation unnecessary.

Bonus and Overtime

The fact that many companies have been paying bonuses to their workers to provide an incentive to greater production or allowing the workers to share in some of the increased profits resulting from the war has raised questions as to whether these bonuses are to be considered as part of the basic pay of the workers and thus must be taken into consideration in fixing overtime payments under the wage-and-hour law and the Walsh-Healey public contracts law.

Firms confronted with this problem should take note of the following policy just announced on this question by the wage-hour and public contracts divisions:—

No additional overtime compensation need be computed and paid on a bonus, the amount of which is in fact arrived at by taking a predetermined percentage of the total earnings of the individual employees (both straight-time and overtime), exclusive of the bonus. Where the amount paid to each employee is actually based on a percentage of his total earnings, the bonus itself includes the payment of both straight-time and overtime. The degree of frequency with which a bonus is paid is a factor which the divisions have always considered in determining whether it should be included in the "regular" or "basic" rates of pay for overtime purposes. As an enforcement policy to be followed in the absence of authoritative rulings by the courts, the divisions will in the future not insist on the inclusion of any bonus (except where there is obvious evasion of the overtime requirements) which is paid at greater intervals than quarterly in computations of the "regular" or "basic" rate of pay for overtime purposes even though the bonus would otherwise be of a type requiring such inclusion.

Chemicals Bureau Praised

Members of the WPB Chemicals Bureau are feeling quite proud of themselves these days—and well they may be. They have just had conferred upon them the honor of being among the very few government agencies to have their work in the war effort officially recognized by the War Department.

Tribute to the work of the bureau was paid to Dr. D. P. Morgan, its chief, by Maj.-Gen. Levin H. Campbell, jr., chief of ordnance of the United States Army. Dr. Morgan was presented with a certificate of achievement by Gen. Campbell "in recognition of distinguished services and signal cooperation in connection with the accomplishment of the ordnance manufacturing and procurement program."

Only two other groups in WPB have been so honored—the Metals and Mineral Divisions as a group and the Tools Division. Incidentally the chemicals industry will soon be coming in for more plaudits from the government. Price Administrator Bowles has started a program of giving public recognition to members of OPA industry advisory committees who have for two years or more performed outstanding service in "helping the economy withstand the strains of global war." Some of the committees in the chemicals and allied fields are due for such honoring.

Research Supplies Cut Off

Laboratories doing research work and needing raw materials and spare parts are going to find it pretty difficult to obtain WPB approval to make these purchases in the future. Unless they are doing work directly connected with the war effort, they more than likely will find themselves on the outside looking in.

Topside officials of WPB met with army and navy men a few days ago to survey the critical materials situation and came to the conclusion that too much of these materials is being directed from the military for laboratory purposes. It also meant that many manhours of employment that might better be going to winning the war were being spent on projects of a postwar nature.

Laboratories generally have been given AA-1 ratings to obtain materials and supplies needed for their work under the laboratory equipment order L-144. These ratings are now being screened by WPB and about 82 percent of them are being thrown out—when WPB means that the laboratory must be engaged directly in war work, it means just that. Even firms, for example, doing research work on paper for wrapping military materials are not considered close enough to the war effort and are having their AA-1 ratings rescinded.

Federal Antirabies Project

Secretary Wickard would have another job to add to the long list of activities now engaged in by the Department of Agriculture if legislation just introduced in the house by Representative Edward H. Rees of Kansas is enacted by Congress. Under the Rees bill, Mr. Wickard would be charged with the responsibility of suppressing contagious and infectious diseases of dogs and cats.

The legislation (H. R. 1986) grows out of the rabies scare in this area last year, which reached such proportions that in some communities any dog found on the loose was shot on sight. Mr. Rees is fearful that the disease will spread to other sections unless strong measures are taken to check it, and he would have the Secretary of Agriculture work out a plan now in co-operation with the States to keep the disease down in much the same manner that the spread of contagious diseases among cattle and livestock is controlled.

Silica Gel Bars Dampness

The use of silica gel as a protection against moisture even in the most humid and rain-drenched areas of the tropics has proved so successful that it has now become standard in specifications for packaging signal corps equipment for overseas shipment. Use of the desiccant has not only made it possible to get delicate communications equipment to overseas destinations in good condition, the War Department says, but it also has saved thousands of manhours in various war theatres and on the actual battlefronts.

In packaging any given item, one or more bags of the desiccant are inclosed with it. They are placed within a moistureproof sealed wrapping made of plastic or a laminated wrapping composed of paper, metal foil, and plastic. They also are equipped with an indicator card consisting of a small quantity of the gel, treated with cobalt chloride, that can be seen through an acetate window. It changes color from deep-blue when

—*Continued on page 37*

Pressure-Type Tankcars Must Pay Demurrage

OPD Washington Bureau

The new rules of the Interstate Commerce Commission increasing demurrage charges on tankcars and reducing the free-time allowances to twenty-four hours have been made applicable to pressure-type tankcars, both insulated and noninsulated, with certain exceptions by an order of the commission issued February 10.

Action was taken in an amendment to the Revised Service Order No. 263 and becomes effective February 22. Previously these cars, designated as "TP" and "TPI" cars had been exempt from the revised service order. No reason was given by the commission for now including them within the order, but it was believed that the commission had found evidence of abuses of the exemption and was compelled to take the action in view of the very critical shortage of these types of cars.

The only exemptions to the order now permitted are "TP" and "TPI" cars loaded with anhydrous hydrofluoric acid, carbon dioxide, chlorine, ethyl chloride, ethylene oxide, metallic sodium, methyl chloride, sulphur dioxide or motor fuel anti-knock compounds.

The amended order probably will hit the receivers of anhydrous ammonia and liquefied petroleum gases the hardest, since many of the users of these products do not have storage facilities sufficient to handle carload lot shipments and are compelled therefore to use these materials direct from the tankcars.

Steel Drum Advisory Group Named by OPA

OPD Washington Bureau

Establishment of a New Steel Drum Industry Advisory Committee has been announced by the Office of Price Administration Purpose of the first meeting to be held February 19 and 20 is to discuss pricing problems in the new drum field, including the effect on manufacturing costs of the $2 per net ton ceiling price increase for hot-rolled carbon steel sheets which became effective January 11 of this year. Members of the committee are:—

F. H. Alger," of the Stevens Metal Products Company, Niles, Ohio; Mr. R. L. Brammer, of the Wheeling Corrugating Company, Wheeling, W. Va.; J. A. Connelly, of the U. S. Steel Products Company, Sharon, Pa.; C. B. Coons, of the Rheem Manufacturing Company, New York; Harry W. Lees, of the J. and L. Steel Barrel Company, Cleveland, Ohio; D. F. Manion, jr., of the Manion Steel Barrel Company, Rouseville, Pa.; J. W. McIntire, of the Southern States Iron Roofing Company, Savannah Ga.

Sidney Dry, of the National Steel Container Company, Chicago; Mr. Paul Gaylord, of the Virginia Barrel Company, Staten Island, N. Y.; J. T. Gossett, of the Inland Steel Container Company, Chicago; Theodore Humphrey, of the Republic Steel Corporation, Niles, Ohio; George A. Sexton, of the Sexton Can Co., Everett, Mass.; Thomas M. Stinson, of the National Enameling & Stamping Company, Granite City, Ill., and H. P. Thelen, of the Continental Can Company, New York, N. Y.

Collapsible Tubes Put Under Import Control

Three items manufactured of lead, collapsible tubes, storage batteries and foil, have been placed under import control by the War Production Board. General imports order M-63, governing imports of strategic materials, was amended to add the following lead manufacturers to List II, an import control list attached to the order:

Collapsible tubes, filled or empty, manufactured in whole or in part of lead or alloy; storage batteries (lead acid type); foil manufactured in whole or in part of lead or lead alloy.

The amended order also removes sodium and potassium nitrates from import control.

Frank Huisking Honored Posthumously by Army

Lt. Frank R. Huisking, who was secretary of the Conti Products Corporation, and who was killed in action in Italy on April 18, 1944, was awarded posthumously the Army Flying Medal. It was presented to his mother, Mrs. Chas. L. Huisking, at a ceremony at Mitchel Field February 14.

FROM ACETANILID TO ZINC OXIDE

A BROAD LINE OF FINE AND HEAVY CHEMICALS, DOMESTIC AND IMPORTED

- BEST QUALITY
- LOWEST MANUFACTURERS' PRICES
- DEPENDABLE SERVICE

FIRST HAND DISTRIBUTORS

for more than **50** Leading Chemical Manufacturers

SOLVAY SALES CORP.
Alkalies, Chlorine, Paradichlorobenzene
BROWN COMPANY
Chloroform, USP and Technical
DU PONT—Organic Chemicals Department *Camphor, USP, Powder and Tablets*
GENERAL CHEMICAL CO.
Chemicals, Acids, Phosphates
CARUS CHEMICAL CO., INC.
Benzoic Acid, Soda Benzoate, Potash Permanganate
HAWAIIAN PINEAPPLE CO., INC.
Citric Acid
THE DOW CHEMICAL CO.
Epsom Salts, Acetophenetidin, Antipyrene, Carbon Tetrachloride
PROCTER & GAMBLE.....*Glycerin*
ZINSSER & CO., INC.
Gallic Acid, Tannic Acid, Hydroquinone
STAUFFER CHEMICAL CO., INC.
Tartaric Acid, Cream of Tartar, Sulphur
BRITISH COD LIVER OIL PRODUCERS (HULL) LTD.....*Cod Liver Oil*
MAYWOOD CHEMICAL WORKS
Acetanilid, Lithium Salts
THE BARRETT DIVISION—ALLIED CHEMICAL & DYE CORPORATION
Naphthalene, Tar Acid Oil
CHURCH & DWIGHT CO., INC.
Sodium Bicarbonate
NATIONAL MILK SUGAR DIVISION OF THE BORDEN CO.....*Milk Sugar*
SCHOFIELD-DONALD CO., INC.
Magnesium Carbonate
COMMERCIAL SOLVENTS CORP.
Acetone, Methanol
MUTUAL CHEMICAL COMPANY OF AMERICA.....*Chromic Acid, Bichromates*
DAVIES NITRATE COMPANY, INC.
Potassium Nitrate
J. T. BAKER CHEMICAL CO., *Lead Acetate*
DU PONT—Electrochemicals Department .....*Formaldehyde, Cyanides*
L. SONNEBORN SONS, INC.
Mineral Oil, Petrolatum
PHELPS DODGE REFINING CORP.
Copper Sulfate
CHARLES COOPER & CO.
Collodion, Resublimed Iodine
AMERICAN AGRICULTURAL CHEMICAL CO.....*Phosphoric Acid*

Write Us

For lowest prices on best quality

MENTHOL CRYSTALS

U. S. P.

Natural Brazilian

★ ★ ★

Now quoting for immediate New York delivery or for March-June shipment from Brazil.

INDUSTRIAL CHEMICAL DIVISION
Mc KESSON & ROBBINS, INC.

155 EAST 44TH STREET, NEW YORK 17, N. Y.

For over a century, major importers of: MENTHOL, COD LIVER OIL, GUM ARABIC, WAXES, ETC.

DSC Surplus Chemicals Offered

OPD Washington Bureau

Defense Supplies Corporation has the following described surplus chemicals which are available for immediate sale, f.o.b. cars or trucks present storage points. Offers should be submitted in writing to Defense Supplies Corporation, 811 Vermont avenue, N. W., Washington. This corporation reserves the right to withdraw all or any part of items listed or to reject any offer in whole or in part.

Abrasive Paste, 58,993 ounces, Louisville, Ky.

Acrylate Base Plastic, 10 sheets, Pasco, Wash.

Alizarin Red S, 194 10-gm. vials, Schenectady, N. Y.; 3,770 10-gm. vials, Louisville, Ky.

Aluminum Oxide, 700 pounds, Edgewood Arsenal, Md.

Amine, 3,462 pounds, Oakland, Calif.; 3,220 gallons, Oakland, Calif.

1-Amino - 2 - Naphtho l -4-Sulphonic Acid, 275 25-gram bottles, Denver, Colo.

Ammonia, 17 drums, Little Rock, Ark.

Ammonia Anhydrous, 12,750 pounds, Dugway Proving Grounds, 40 miles SW of St. John, Utah.

Ammonia Acetate, 51½ pounds, Binghamton, N. Y.; 3,350 pounds, Louisville, Ky.

Ammonium Bromide, 500 pounds, Binghamton, N. Y.; 692½ pounds, Schenectady, N. Y.

Ammonium Carbonate, 664 8-oz. bottles, Metuchen, N. J.; 3,064 8-oz. bottles, Benicia, Calif.; 222 pounds, Augusta, Ga.

Ammonia Chloride, 804 pounds, Edgewood Arsenal, Md.

Ammonium Hydroxide, 2,048 32-oz. bottles, Benicia, Calif.

Ammonium Persulphate, 115 pounds, Augusta, Ga.; 4,942 8-oz. bottles, Benicia, Calif.; 456 15-oz. bottles, Benicia, Calif.

Anilin, 125 pounds, Savannah, Ga.

Anneal Salt, barium and calcium neutral compound, 14,800 pounds, Detroit, Mich.

Antimony Trisulphide, 580 pounds, Edgewood Arsenal, Md.

Aromatic Naphtha, Type 3, 29,200 gallons, Topeka, Kans.; 6,565 gallons, Syracuse, N. Y.; 68,425 gallons, South Bend, Ind.; 17,172 gallons, Columbus, Ohio; 5,227 gallons, Memphis, Tenn.

Arsenic Acid, Anhydride, 150 pounds, Savannah, Ga.

Azocarmine B, 623 10-gram vials, Schenectady, N. Y.

Baking Soda, 950 pounds, Detroit, Mich.

Barium Carbonate, 250 pounds, Atlanta, Ga.; 98 pounds, Schenectady, N. Y.; 164 pounds, Edgewood Arsenal, Md.

Barium Chloride, 174 pounds, Savannah, Ga.; 412 pounds, Binghamton, N. Y.

Barium Chromate, 300 pounds, Edgewood Arsenal, Md.

Benzedine, USP Reagent, 7,900 ounces, Louisville, Ky.; 700 pounces, Savannah, Ga.; 11 pounds, Edgewood Arsenal, Md.; 4,000 grams, Edgewood Arsenal, Md.; two pounds, Edgewood Arsenal, Md.; 200 ounces, Atlanta, Ga.; 1,019 ounces, Binghamton, N. Y.

Bismarck Brown Y, 1,300 10-gram vials, San Francisco, Calif.; 700 10-gram vials, Binghamton, N. Y.

Bleaching Powder, 23,324 pounds, New Cumberland, Pa.

Bleach, Grade B, 125,700 pounds, Edgewood Arsenal, Md.; 48,920 pounds, New Cumberland ASF Depot, Pa.

Bleach, Grade C, 20,600 pounds, New Cumberland ASF Depot, Pa.; 835,710 pounds, Huntsville, Ala.; 140,580 pounds, Tracy, Calif.; 59,100 pounds, Seattle, Wash.; 117,000 pounds, Tracy, Calif.

Bleach, Grade 1, 184,420 pounds, Atlanta ASF Depot, Ga.

Bleach, Grade 2, 1,316,200 pounds, Atlanta ASF Depot, Ga.; 703,270 pounds, Memphis, Tenn.

Blue Indigo, 45 pounds, Edgewood Arsenal, Md.

Blue Toner, E-7001, 210 pounds, Haledon, N. J.

Boiler Compound, 2,400 pounds, Tooele, Utah.

Boric Acid, 2,404 pounds, Cincinnati, Ohio.

Brilliant Green, 8,000 10-gram vials, Louisville, Ky.

Brom-Cresol, 4,984 bottles, Richmond, Va.

Bromine, CP, 630 pounds, Edgewood Arsenal, Md.

Butyric Acid, 1,720 pounds, Memphis, Tenn.; 3,179 pounds, Ogden, Utah; 3,870 pounds, Atlanta, Ga.; 32 quarts, Atlanta, Ga.; 1,107 pounds, Edgewood Arsenal, Md.; 2,188 pounds, San Antonio, Tex.

Calcium Carbide, 4,300 pounds, Smolen, Kan.

Calcium Carbonate, 180 pounds, St. Louis, Mo.

Calcium Cyanide, 125 pounds, Schenectady, N. Y.

Calcium Silicide, 2,300 pounds, Huntsville, Ala.; 12,280 pounds, Edgewood Arsenal, Md.

Cap Sealing Compound, 119 pounds, Hanford, Calif.

Carbon, Activated, 390,500 pounds, Seattle, Wash.

Carbon Disulphide, 940 pounds, Savannah, Ga.

Carbon, Lavite, 1,000 pounds, St. Louis, Mo.

Carbon Removal Compound, 14,814 gallons, Memphis, Tenn.

Carbon Tetrachloride, 52 gallons, Philadelphia, Pa.

Caulking Compound, 1,020 pounds, Marietta, Ohio; 110 drums, Illiopolis, Ill.; 47 cans, Marion, Ohio; 3,600 pounds, Philadelphia, Pa.

Caustic Soda, Flake, 300 pounds, Philadelphia, Pa.; 205,980 pounds, Huntsville, Ala.

Celluloid, Transparent, 2,340 sheets, Lathrop, Calif.

Cellulose, Acetate, Plastic, 5,037 sheets, Lathrop, Calif., 5,265 sheets, Ogden, Utah; 3,737 sheets, Memphis, Tenn.; 1,439 sheets, Granite City, Ill.; 4,523 sheets, Pasco, Wash.; 11,990 sheets, San Antonio, Tex.; 22,444 sheets, Schenectady, N. Y.

Charcoal Block, 3,000, Louisville, Ky.

Charcoal, Lump, 2,100 pounds, Edgewood Arsenal, Md.

Charcoal, Wheterlite, 903,048 pounds, Chicago, Ill.; 166,308 pounds, Fostoria, Ohio; 583,704 pounds, Columbus, Ohio; 109,659 pounds, Akron, Ohio; 387,825 pounds, Lawrence, Mass.; 38,878 pounds, Huntsville, Ala.; 24,780 pounds, Clarksville, Tenn.; 342,422 pounds, Zanesville, Ohio; 117,041 pounds, Hanford, Calif.; 1,599,395 pounds, Edgewood Arsenal, Md.

Coating Material, First Coat, 694 gallons, New York, N. Y.

Coating Material, Topcoat, 493 gallons, New York, N. Y.

Cobalt Oxide, CP, 25 pounds, Edgewood Arsenal, Md.

Concrete Curing Compound, 76 drums, St. Francis, Texas.

Copper Arsenate, CP, 428 ounces, Edgewood Arsenal, Md.

Copper Cyanide, 975 pounds, Cincinnati, Ohio.

Creosote, 195 gallons, Orangeburg, N. Y.

Cuprodine, 55 gallons, Detroit, Mich.

Cuprotella, 9 barrels, Boston, Mass.

Dinitrobenzene, 31 pounds, Edgewood Arsenal, Md.

Dinitronaphthalene, 100 pounds, Edgewood Arsenal, Md.

Dinitrophenol, 290 pounds, Edgewood Arsenal, Md.

Dinitrotoluene, 174 pounds, Edgewood Arsenal, Md.

Drawing Compound, 52,639 pounds, Detroit, Mich.

Dyestuff, Blue, 17,070 pounds, Kansas City, Mo.; 500 pounds, Hereford, Tex.; 1,500 pounds, Camp Gruber, Okla.; 150 pounds, Oklahoma City, Okla.

Dye Orange, 2,247 pounds, Kansas City, Mo.

Dye, Impregnating, 3,691 pounds, Memphis, Tenn.

Eosin Y, Certified, 1,539 10-gram vials, Schenectady, N. Y.

Ether, 25,721 quarts, Memphis, Tenn.

Fast Green FCF, 388 10-gram vials,

—*Continued on page 55*

Ethyl Ether Put Under Allocation

OPD Washington Bureau

Ethyl ether has been placed under the control of schedule 91 of Order M-300, the general chemicals allocation order, the War Production Board has reported. Increasing military demands for the chemical have made such control necessary, they explained. Ethyl ether is used chiefly in the manufacture of smokeless powder. Other uses include the production of anesthesia, drugs, and ethylamine, used in the manufacture of synthetic rubber.

According to the provisions of the order, ethyl ether produced in any government - owned smokeless powder or synthetic rubber plant, and which is delivered to or consumed by any such plant, is exempt from the restrictions on use and delivery. Schedule 91 contains a monthly small-order exemption of 1,240 pounds or less of ethyl ether. March 1 is the initial allocation date.

Superphosphate Output Increase Expected

Production of normal and triple superphosphate during the 1944-45 season is now estimated to total approximately 7,332,000 tons, on an 18 percent basis, members of the War Food Administration's Fertilizer Industry Advisory Committee were told at their meeting February 15.

This is a considerable improvement over what was expected at the time of the November meeting of the committee, when it was thought production would be down 1,000,000 tons from the 7,542,000 tons produced in the 1943-44 season. The expected increase in production is attributed to an improvement in the supply of tankcars and improved movement of sulphuric acid.

The nitrogen supply situation also has improved slightly, it was stated, and it was thought that the total output would fall somewhere between the 610,000 tons estimated last November and the 631,000 tons produced last season.

The committee adopted a resolution expressing appreciation of the services of Philip P. Groggins, former chief of the Chemicals and Fertilizer Division of WFA, who was relieved of these duties recently and made assistant to the director of the Materials and Facilities Branch.

Butadiene Production at Kobuta

From July, 1943, when first production began, up to December 31, 1944, more than 153,000 tons of butadiene were produced through the catalytic conversion of ethyl alcohol at Kobuta, one of the three plants in the United States making butadiene from alcohol for the government's synthetic rubber program, according to Dan M. Rugg, vice-president of Koppers Company, butadiene division, which operates the huge 200-acre plant for the Rubber Reserve Company. The plant, construction of which began in April, 1942, is located in the Beaver Valley, some twenty-five miles from Pittsburgh. It was built by the Engineering and Construction Division of the Koppers Company for the Defense Plant Corporation.

Mining Institute Medalists Named

The James Douglas Gold Medal has been awarded by the American Institute of Mining and Metallurgical Engineers to Dr. Robert F. Mehl, director of Metals Research laboratory and head of the department of metallurgical engineering, Carnegie Institute of Technology, Pittsburgh, "for distinguished achievement in physics and physical metallurgy; and especially for his development of gamma-ray radiography and for conspicuous success in his metallurgical investigations involving diffusion and crystal structures."

E. Chester Wright, chief metallurgist and assistant to the president of the National Tube Company, Pittsburgh, has been awarded the Robert Hunt Silver Medal and certificate for 1945 for the improvement in the process of making Bessemer steel.

Carl Gustav Hogberg, assistant to the chairman of the Blast Furnace Committee of the U. S. Steel Corporation, has been awarded the J. E. Johnson Jr., award "for his contributions to the science and art of smelting iron ores in the blast furnace and for his effective and loyal service in the Blast Furnace and Raw Materials Committee of the Iron and Steel Division."

William Marsh Baldwin, jr., chief metallurgist of the Chase Brass & Copper Company, Euclid, Ohio, has been awarded the Institute of Metals Division (A. I. M. E.) 1945 award for research work leading to the improvement of methods of production of brass cartridge cases. The title of Mr. Baldwin's paper is "Effect of Rolling and Annealing Upon the Crystallography and Physical Properties of Copper Strip."

RFC Subsidies Extension Asked

OPD Washington Bureau

A bill (S. 502) to permit the continued payment by the Reconstruction Finance Corporation of subsidies on strategic and critical minerals and metals or petroleum or petroleum products during the fiscal year 1946 has been introduced in the senate by Senator Ernest W. McFarland of Arizona.

The bill permits the corporation to pay subsidies or incur losses on such operations to an amount not exceeding $450,000,000. Under existing law the authority of the RFC to engage in these operations would expire June 30. Similar bills to extend the authority also have been introduced in the house.

DDT Available For Experiments

A limited quantity of DDT has been released for distribution for agricultural and other civilian experimentation, the War Production Board has announced. Formerly requests for DDT for research work required application to WPB for individual allocations of the chemical. The material can now be obtained directly from DDT producers without further permission from WPB.

Inter-American Technical Economic Parley June 15

The Inter-American Technical Economic Conference, which was scheduled to meet in Washington, March 15, has been postponed to June 15. According to the governing board of the Pan American Union, which announced the postponement, the decision to postpone the conference was made to avoid a possible conflict in dates with other projected conferences.

Conventions Cancelled

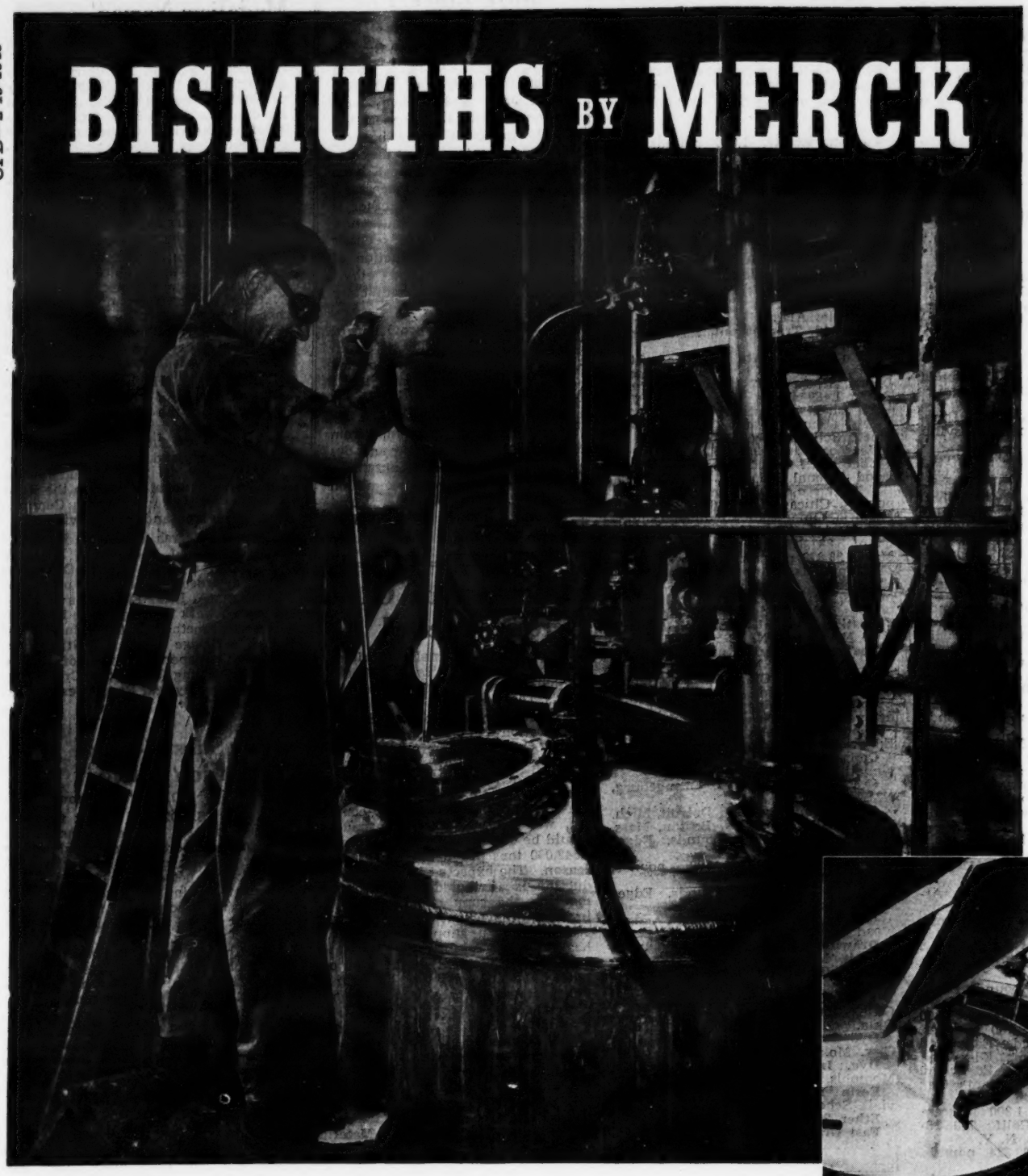
Organizations which have acceded to the requests of the Director of War Mobilization and the Office of Defense Transportation and have cancelled their conventions as a contribution to the relief of overladen transportation and housing facilities, include, in addition to those heretofore listed herein, the following:—

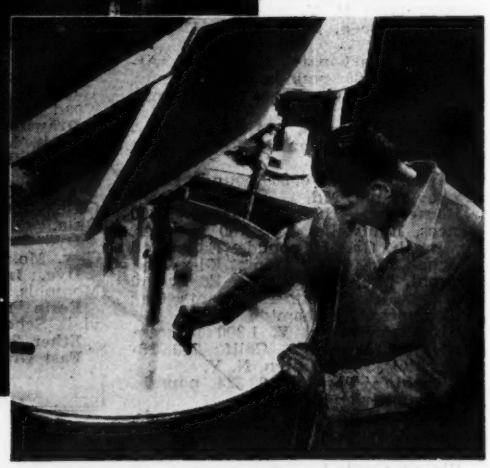
Druggists Supply Corporation.—Annual conference and merchandise show, scheduled for March 12 to 16.

Galvanizers Committee.—Spring technical meeting.

Southern Paint and Varnish Production Club.—Annual meeting scheduled for March 14 and 15.

BISMUTHS BY MERCK





Two steps in the production of Merck Bismuth Products

Standardize

ON MERCK BISMUTHS
FOR PURITY,
RELIABILITY, AND
A CENTRAL SOURCE
OF SUPPLY

Subcarbonate

Subnitrate

Subgallate

Subsalicylate

and other Bismuth Salts

ARMY E NAVY
Speed the Victory with War Bonds

MERCK & CO., Inc. *Manufacturing Chemists* **RAHWAY, N. J.**

New York, N. Y. • Philadelphia, Pa. • St. Louis, Mo. • Elkton, Va. • Chicago, Ill. • Los Angeles, Cal.

In Canada: MERCK & CO., Ltd., Montreal and Toronto

OPD—2-19-1945

Current Market Quotations Chemicals and Related Materials

February 16, 1945

Unless otherwise indicated, quotations are first-hands on large lots, f.o.b. New York. Price changes and trends are noted in the market reports, with other informative comment. The locations of these reports are given in the table of contents on page 4.

All matters under this heading fully protected by copyright.

A

Acacia (see Gum, Arabic).

Acetaldehyde,[4,6] 99%, dms., 55 gals., works..lb. .11 - —
5 and 10 gals., works.....lb. .14 - —

Acetaldol (see Aldol).

Acetamide, CP, flb. dms., 5,000 lbs. a year, works..lb. .36 - —
smaller lots, works.....lb. .38 - .70
tech., flb. dms., 5,000 lbs. a year, works..lb. .28 - —
smaller lots, works.....lb. .30 - .50

Acetanilide, tech., cryst., bbls..lb. .29 - .31
powd., bbls.....lb. .27 - .29
USP, cryst., bbls.....lb. .36 - .37
kgs.....lb. .37 - .39
powd., bbls.....lb. .34 - .35
kgs.....lb. .35 - .37

Acetic anhydride,[6] dms., c.l., frt. alld..lb. .11½- —
l.c.l., frt. alld.....lb. .13 - —
Acetoacetanilide, bbls., dms...lb. .49 - .67
Acetone, CP,[1,6] dms., c.l., dlvd. E.[6]..lb. .08 - —
l.c.l., dlvd. E.[6].....lb. .08½- —
tanks, dlvd. E.[6].....lb. .07 - —

[6] OPA ceiling for East; Western ceiling, ½c. per lb. higher.

Methyl (see M).

Acetonitrile, dms., c.l., works..lb. .60 - —
l.c.l., works.....lb. .75 - —
5-gal. lots, works.....lb. .80 - —
less than 5-gal. lots, works, lb. .90 - —

Acetophenetidin, USP, bbls., kgs., 1,000-lb. lots..lb. 1.00 - —
dms.....lb. 1.08 - 1.10

Acetophenone, cns., dms.....lb. 1.68 - 1.75

Acetyl chloride, cbys., works..lb. .60 - —

Acid, abietic, dms., c.l., wks...lb. .07½- —

Acetic,[1,6] com'l or redist., 28% bbls..160 lbs. 3.38 - 3.63
56%, bbls.....100 lbs. 5.58 - 5.83
70%, bbls.....100 lbs. 6.68 - 6.93
80%, bbls.....100 lbs. 7.47 - 7.72
99.5%, bbls.....100 lbs. 9.15 - 9.40
glacial, nat., c.p., dms., works..100 lbs. 12.50 -13.25
99.5%, bbls.....100 lbs. 9.15 - 9.40
tanks .....100 lbs. 6.93 - 7.25
synth., tech., bbls., works, 100 lbs. 9.15 - 9.40
dms., works.....100 lbs. 9.25 - 9.75
tanks, works.....100 lbs. 6.93 - 7.25
USP, dms., works..100 lbs. 10.50 -11.00
pure, 30%, bbls.....100 lbs. 4.41 - 4.69
36%, bbls.....100 lbs. 4.86 - 5.11
60%, bbls.....100 lbs. 7.60 - 7.85
80%, bbls.....100 lbs. 9.26 - 9.51
USP, 36%, cbys.....lb. .08 - .10

Acetic acid prices ranges above are for c.l. and l.c.l. quantities. Carboys and cases are 50c. per 100 lbs. higher.

Acetic anhydride,[6] (see Acetic anhydride).

Acetylsalicylic,[1] special, USP, bbls., makers, primary distrib., point of shipm't, 100-lb. lots..lb. .45 - —
smaller lots, same basis, lb. .46 - .59

Standard USP, fine cryst., gran. (20-40 mesh), powd. (50 mesh), 200-lb. bbls., same basis..lb. .40 - —
smaller lots, same basis, lb. .40 - .54

Freight equal'd, shipment identical quantity over standard routes, from N. Y. City, Phila., Midland, Mich., Chicago and St. Louis.

Adipic,[6] flb. dms., works....lb. .26½- —

Aminoacetic, USP (see Glycine).

Anthranilic, resub., bbls.....lb. 1.20 - 1.25
tech., bbls.....lb. .95 - —

Arsenous[6] tech. (see Arsenic, White).
USP, powd., dms., kgs.....lb. .20 - .22

Ascorbic,[1] USP, dms., 500-kilo lots..kilo. 24.50 - —
25-50-kilo lots.....kilo. 25.00 - —
10-kilo lots.....kilo. 25.35 - —
5-kilo lots.....kilo. 25.70 - —
bots., kilo lots.....kilo. 26.41 - —
500 grams.....kilo. 27.47 - —

Battery, cbys., c.l., E. works, 100 lbs. 1.60 - —
10-25, E. works.....100 lbs. 1.95 - —
1-9, E. works.....100 lbs. 2.55 - —

Benzoic, tech., bbls., 4,000 lbs. or more..lb. .43 - —
1,000 to 3,900 lbs.....lb. .44 - —
999 lbs. or less.....lb. .47 - —
USP, bbls., 4,000 lbs. up...lb. .54 - —
1,000 to 3,900 lbs. up...lb. .55 - —
900 lbs. or less.....lb. .58 - .59
dms., 4,000 lbs. up.....lb. .55 - .56
1,000 to 3,900 lbs. .....lb. .56 - .57
900 lbs. or less.....lb. .59 - .60

Betaoxynaphthoic, bbls., works, lb. .95 - —

Boric,[2] tech., 99.5% cryst. (same as prices for powder), gran., bgs., c.l., frt. alld.. ton. 99.00 - —
ton lots, ex whse..ton. 111.00 - —
less than ton lots, ex whse..ton. 116.00 - —
bbls., c.l., frt. alld..ton. 109.00 - —
ton lots, ex whse..ton. 121.00 - —
less than ton lots, ex whse..ton. 126.00 - —
bulk, frt. alld.....ton. 95.50 - —
powd., bgs., c.l., frt. alld., ton. 104.00 - —
ton lots, ex whse..ton. 116.00 - —
less than ton lots, ex whse..ton. 121.00 - —
bbls., c.l., frt. alld..ton. 114.00 - —
ton lots, ex whse..ton. 126.00 - —
less than ton lots, ex whse..ton. 131.00 - —

USP $25 per ton higher.

Acid, butyric, 99%, dms., c.l., works..lb. .29 - —
l.c.l., same basis.....lb. .30 - —

Broeners, bbls.....lb. 1.11 - —

Cacodylic, 5-lb. bots.....lb. 22.00 - —

Camphoric, cns.....lb. 6.95 - 7.00

Capric, tech., ret. dms.....lb. .21½- .22

Caprylic, tech., ret. dms...lb. .27 - .27½

Castor oil,[5] split, ret, dms...lb. .20¾- .21¼

Chlorosulphonic, dms., c.l., wks., lb. .03 - —
l.c.l., works .....lb. .03½- .04½
tanks, works .....lb. .02½- —

Chromic,[6] 99½-99¾%, dms., c.l., lb. .16¼- —
l.c.l. .....lb. .16¾- .17¼

Cinnamic, refd., bots.....lb. 3.50 Nom.

Citric[1,6] anhyd., gran., dms., c.l..lb. .22½- —
10,000 lbs., 1 ship't...lb. .23 - —
smaller lots .....lb. .23½- .26½
kgs. .....lb. .24 - —

USP, cryst., gran., bbls., c.l.lb. .20 - —
10,000 lbs., 1 ship't...lb. .20½- —
smaller lots, bbls.....lb. .21 - —
dms. .....lb. .23 - .24
kgs. .....lb. .21½- —

Powd., citric acid, ½c. higher.

Cleve's, bbls. .....lb. .65 - —

Coconut oil,[1,5] dist., dms....lb. .15½- .17½

Corn oil, s.d., dms., c.l., works, lb. .12 - —

Cottonseed oil,[1,5] s.d., dms., c.l..lb. .12 - —
tanks, dlvd.....lb. .14¼- —

Cresylic,[3,6] dom. (coaltar), high-boil 50% (210°-215°), low boil 50% (204°-206°), and special blends, dms., c.l., works, frt. equald..gal. .81 - —
l.c.l., same basis....gal. .83 - —
tanks .....gal. .75 - —

(Petroleum), heavy grade (247°-298°), 20 dms., Cal. ref..gal. .490 - —
Sewaren, N. J., ref..gal. .616 - —
1-19 dms., Cal. ref.....gal. .510 - —
Sewaren, N. J., ref..gal. .636 - —
tanks, dlvd.....gal. .586 - —
light grade (200°-246°), tanks, Cal. ref..gal. .690 - —
medium grade (220°-246°), 20 dms., Cal. ref..gal. .550 - —
Sewaren, N. J., ref..gal. .636 - —
1-19 dms., Cal. ref....gal. .570 - —
Sewaren, N. J., ref..gal. .696 - —
tanks, dlvd.....gal. .646 - —

Diethylbarbituric (see Barbital).

F (see Acid, Monosulphonic).

Formic, dom., 85%, cbys., c.l., works..lb. .10 - —
l.c.l., works.....lb. .10½- .11
90%, cbys., c.l., works.....lb. .10½- —
l.c.l. .....lb. .11 - .11½

Fumaric, tech., bbls., dms...lb. .27 - .31

Gallic, NF V, bbls.....lb. 1.27 - 1.30
flb. dms.....lb. 1.32 - —
technical, bbls.....lb. 1.10 - 1.15

Gamma, bbls.....lb. .85 - —

Gluconic, tech., 50%, bbls., 500 lbs..lb. .12 - —
dmjn. .....lb. .21 - .23
kgs., 100 lbs.....lb. .14 - .15

Glutamic hydrochloride, dms., lb. 2.00 - 2.40

Glycolic (see Hydroxyacetic).

H, bbls.....lb. .45 - —

Hydriodic, 45-47%, cbys.....lb. 2.42 - 2.44
5-lb. bots.....lb. 2.57 - —
57%, bots.....lb. 2.90 - —

Hydrobromic, conc., cbys....lb. .35 - .37
dil., cbys.....lb. .20 - —

Hydrochloric (see Muriatic).

Hydrocyanic, cyls., works....lb. .80 - 1.00

Hydrofluoric, anhyd.,[6] cyls., works..lb. .19 - .19½
tanks, works.....lb. .16 - —
30%, rubber dms., works...lb. .08 - .09
48%, rubber dms., works...lb. .12 - —
52%, rubber dms., works...lb. .12½- —
60%, rubber dms., works...lb. .13½- —

Hydrofluosilicic, 30-35%, bbls.lb. .08 - .09

Hydroxyacetic, 70% tech., bbls., non-return., Phila...lb. .084 - —
tanks, works, basic acid content..lb. .08½- —

Hypophosphorous, USP, djns., lb. .75 - .77

Lactic,[6] edible, 50%, cbys., 20 or more..lb. .12¼- —
5 to 19.....lb. .13 - —
1 to 4.....lb. .13½- —
80%, bbls., cbys., 5 or more, lb. .24¼- —
1 to 4.....lb. .24¾- —
plastic grade, 50%, bbls., cbys., 20 or more..lb. .14¼- —
5 to 10 cbys.....lb. .14¾- —
1 to 4 cbys.....lb. .15¼- —
80%, bbls., cbys., 5 cbys...lb. .26 - —
1 to 4 cbys.....lb. .26½- —

tech., dark, 22%, bbls., c.l., works..100 lbs. 2.90 - —
l.c.l., works.....100 lbs. 3.15 - —
cbys., works.....100 lbs. 4.15 - —
44%, bbls., c.l., works.... 100 lbs. 6.30 - —
l.c.l., bbls., works..... 100 lbs. 6.55 - —
cbys., works.....100 lbs. 7.55 - —
light, 22%, bbls., c.l., works, 100 lbs. 3.90 - —
l.c.l., works.....100 lbs. 4.15 - —
cbys., works.....100 lbs. 5.15 - —
44%, bbls., c.l., works.... 100 lbs. 7.30 - —
l.c.l., works.....100 lbs. 7.55 - —
cbys., works.....100 lbs. 8.55 - —

USP XII, 85%, cbys.....lb. .54 - .57
USP VIII, 75% cbys.....lb. .52 - .55
Lauric, dist., 95%, dms.....lb. .26 - —
Laurent's, bbls.....lb. .45 - —
Linseed oil,[5] light, dms.....lb. .21½- .22
Maleic,[6] powd., dms.....lb. .30 - —
anhydride (see M).
Malic, powd., kgs.....lb. .47 - —

Acid, mandelic, USP., dms., 1,000-lb. lots..lb. 2.05 - —
smaller lots .....lb. 2.10 - 2.30

Mixed, tanks, nitric unit....lb. .05 - .06
sulphuric, unit .....lb. .0085- .009

Molybdic, kgs., works.....lb. .95 - 1.10

Monochloroacetic, tech., flakes, 96-97%, dms..lb. .16½- —
purified, flakes, 99%, dms..lb. .20 - —

Monosulphonic, bbls. .....lb. 1.50 - —

Muriatic, 18°, cbys., c.l., E. works..100 lbs. 1.50 - —
l.c.l., 25 and over, E. works..100 lbs. 1.75 - —
10 to 24, works..100 lbs. 1.85 - —
1 to 9, works..100 lbs. 2.45 - —
tanks, works .....100 lbs. 1.05 - —
20°, cbys., c.l., E. works.... 100 lbs. 1.75 - —
tanks, E. works.....ton. 22.00 - —
22°, cbys., c.l., E. works.... 100 lbs. 2.25 - —
tanks, E. works.....ton. 32.00 - —
CP, USP, consumers, cbys.lb. .08 - —
6-lb. bots. .....lb. .19 - —
dealers, cbys. .....lb. .06½- —
6-lb. bots. .....lb. .17½- —

Myristic, dist.. dms.....lb. No stocks.

Naphthenic,[6] 210-220 acidity, dms., extra, works..lb. .10¾- —
tanks, works .....lb. .09 - —
230-245 acidity, dms., extra, works..lb. .12¾- —
tanks, c.l., works.....lb. .12 - —

Nicotinic,[6] USP, dms., 50-kilo lots up..kilo. 7.00 - —
10-kilo lots .....kilo. 7.10 - —
2½-kilo lots .....kilo. 7.20 - —
1-kilo lots .....kilo. 7.30 - —

Nicotinic amide (see Nicotinamide)

Nitric,[6] 36°, cbys., c.l., E. works..100 lbs. 5.00 - —
l.c.l., 25, E. works..100 lbs. 5.25 - —
10 to 24, works...100 lbs. 5.35 - —
1 to 9, works...100 lbs. 5.95 - —
38°, cbys., c.l., E. works.... 100 lbs. 5.50 - —
Western works...100 lbs. 5.75 - —
40°, cbys., c.l., E. works.... 100 lbs. 6.00 - —
42°, cbys., c.l., E. works.... 100 lbs. 6.50 - —
CP, USP, consumers, cbys.lb. .13 - —
7-lb. bots. .....lb. .23 - —
dealers, cbys. .....lb. .11¼- —
7-lb. bots. .....lb. .21¼- —

Oleic (see Oil, red).

Oleum (see Acid, sulphuric, fuming).

Oxalic,[1] bbls., c.l., works....lb. .11¼- —
10,000 lbs. .....lb. .11¼- —
smaller lots .....lb. .12¼- —

Palm oil,[5] white, dist., dms.lb. No stocks.
tanks .....lb. No stocks.

Para-aminobenzoic, cns. ...lb. 1.40 - —

Paranitrobenzoic, cns. .....lb. .72 - —

Paratoluidinmetasulphonic, bbls., f.o.b. works..lb. .80 - —

Peanut oil,[1] s.d., tanks, dlvd., lb. .11¼- —

Phenylacetic, bots.....lb. 3.00 - —

Phosphoric,[6] pure food grade, 50%, bbls., c.l., works, frt. equald..100 lbs. 4.00 - 4.25
cbys., works, frt. equald, 100 lbs. 4.35 - 4.60
l.c.l., 10 or more, works, frt. alld..100 lbs. 5.25 - 6.25
1 to 9 cbys., works, frt. alld..100 lbs. 6.25 - 7.25
tankwagon, dlvd. N. Y., Phila. Met. area...100 lbs. 4.00 - —
75%, bbls., c.l., works, frt. equald..100 lbs. 4.75 - 5.00
cbys., works, frt. equald, 100 lbs. 5.10 - 5.35
l.c.l., 10 or more, works, frt. alld..100 lbs. 7.00 - 8.50
1 to 9 cbys., works, frt. alld..100 lbs. 8.00 - 9.50
tankcars, works, frt. equald..100 lbs. 4.00 - 4.25
tankwagon, dlvd. N. Y., Phila. Met. area...100 lbs. 4.75 - —

USP, 100-lb. cbys., c.l.....lb. .10½- —
10 cbys. to c.l.....lb. .11½- —
2 to 9 cbys.....lb. .12 - —
single cbys.....lb. .13 - —
70-lb. cbys.....lb. .10½- —
25 cbys. to c.l.....lb. .11½- —
5 to 24 cbys.....lb. .12 - —
1 to 4 cbys.....lb. .13 - —
10% dilut., cbys., djns....lb. .07 - .07½

Picramic, kgs.....lb. .65 - .70

Picric, bbls.....lb. .35 - —

Propionic,[1] synth., pure, 55-gal. dms., works..lb. .19½- —
tanks, works.....lb. .18½- —

Pyrogallic, tech., bbls.....lb. 1.45 - —
cns. .....lb. 1.63 - —
USP., cryst., dms.....lb. 2.10 - 2.15
resub., dms.....lb. 2.60 - 2.65

Pyroligneous, bbls., dlvd. E.gal. .30 - —

Ricinoleic, com'l, split (see Acid, castor oil, split).

Salicylic,[1] tech., bbls., c.l....lb. .26 - —
100 lbs. to c.l.....lb. .33 - —
smaller lots.....lb. .34 - .42
USP, bbls., c.l.....lb. .28 - —
100 lbs. to c.l.....lb. .35 - —
smaller lots.....lb. .36 - .44

Sebacic, tech., dms., works...lb. .55 - .57

Soybean oil,[1,5] s.d., dms.....lb. .14½- .18½
tanks, works.....lb. .11 - —

Stearic,[1,5] double-press, bgs..lb. .15½- .16½
single press, bgs.....lb. .15¾- .16¾
triple press, bgs.....lb. .18¾- .19¾

Succinic, bbls.....lb. .75 - —

Sulphanilic, CP, bots., works.lb. 1.60 - 1.63
tech., dms., works.....lb. .17 - —

Sulphuric,[6] 60°, cbys., c.l., E. works..100 lbs. 1.25 - —
l.c.l., 25 uj, works..100 lbs. 1.50 - —
10 to 24, works...100 lbs. 1.60 - —
1 to 9, works...100 lbs. 2.20 - —
tanks, E. works.....ton. 13.00 - —
66°, cbys., c.l., E. works..... 100 lbs. 1.50 - —
tanks, E. works.....ton. 16.50 - —
98°, tanks, works.....ton. 17.50 - —
CP, USP, consumers, cbys.lb. .08 - —
9-lb. bots.....lb. .17 - —
dealers, cbys.....lb. .06½- —
9-lb. bots.....lb. .15½- —
fuming, 20%, tanks, E. works, ton. 19.50 - —

Tannic, tech., bbls., dms....lb. .71 - .73
USP, fluffy, bbls., 1,000 lbs.lb. 1.33 - —
smaller lots.....lb. 1.35 - 1.38
powd., bbls., 1,000 lbs....lb. 1.13 - —
smaller lots.....lb. 1.15 - —

Acid, tartaric, USP, cryst., gran., powd., bbls., 10,000 lbs., 1 ship't..lb. .70¼- —
smaller lots.....lb. .71 - —
kgs. .....lb. .71½- —

Thioglycolic, basis 100%, highly purified, bbls., cbys..lb. 5.00 - 7.10

Tobias, bbls.....lb. .55 - .60

Trichloroacetic, bots.....lb. 2.00 - 2.50

Tungstic,[6] CP, 100-lb. pkgs..lb. 2.94 - 3.10
pure, 100-lb. kgs.....lb. 2.86 - —

Aconite leaves, bls.....lb. 1.10 - 1.40
Root, bls.....lb. 1.10 - 1.15

Acetic hydride,[6] dms., c.l., frt. alld..lb. .11¼- —
l.c.l., frt. alld.....lb. .13 - —

Aconitine, amorph., bots.....oz. 23.00 - 28.00
15-gr. vials.....vial. 1.00 - —
cryst., bots.....oz. 42.00 - 48.00
15-gr. vials.....vial. 1.60 - —

Acrylonitrile, dms., frt. alld..lb. .39½- —
5,000 lbs. or more, works..lb. .40 - —
1 ton to 4,999 lbs., works...lb. .40¼- —
1 dm. to 1 ton, works.....lb. .41 - —
tankcars, frt. alld.....lb. .39 - —

Adeps lanae,[1] USP, anhyd., pharmaceutical, dms., works, lb. .32 - .33
cosmetic, dms., works...lb. .33 - .34

Adeps lanae prices for primary distributors f.o.b. St. Louis, 1c. higher.

Agar .....lb. 3.50 - —
San Diego, Cal. .....lb. 3.00 - —

Agaric, white, bls.....lb. 3.75 - 4.00

Albumen, blood, dark (see Blood, soluble).
light, dms., Chicago.....lb. .65 - .70
egg, edible,[1] powd., bbls....lb. 2.07 - 2.10
granular, cryst., bbls....lb. 2.02 - 2.05
tech., cryst., bbls.....lb. 1.40 - 1.55

Alcohol, allyl, dms., c.l., dlvd..lb. .29 - —
l.c.l., dlvd.....lb. .30 - —
tankcars, dlvd.....lb. .28 - —

Amyl (see also Fusel oil, refd.), ex pentane, dms., c.l., frt. alld. E. of Miss. R..lb. .141 - —
l.c.l., frt. alld.....lb. .151 - —
tanks, frt. alld.....lb. .131 - —

Benzyl, cns. .....lb. .65 - .75
dms. .....lb. .63 - —

Butyl, normal,[1,6] ferment., Ill., Ind., prod., dms. frt. alld. lb. .1880-
l.c.l., frt. alld. E...lb. .1930-
tankcars, frt. alld. E..lb. .1780-
tankwagons, frt. alld. E. lb. .1830-
other production, dms., c.l., frt. alld. E..lb. .1950-
l.c.l., frt. alld. E....lb. .2000-
tanks, frt. alld. E....lb. .1850-
synthetic, dms., c.l., frt. alld. E..lb. .11¾- —
l.c.l., frt. alld. E....lb. .12¼- —
tanks, frt. alld. E.....lb. .10¾- —

[6] Normal butyl alcohol prices West, ½c. per lb. higher.

secondary,[6] dms., c.l., frt. paid E. of Miss..lb. .091 - —
l.c.l., same basis.....lb. .094 - —
tanks, same basis.....lb. .085 - —
tertiary, denat., dms., c.l..lb. .125 - —
l.c.l., dms. .....lb. .13 - —
tanks .....lb. .11 - —

Capryl,[6] dms., c.l., works...lb. .17½- —
l.c.l., works .....lb. .18½- —
tanks, works .....lb. .16 - —

Cetyl, dom., CP, fiber ctns., 1,000 lbs..lb. 1.80 - —
smaller lots .....lb. 1.90 - 2.00

Cinnamic, bots.....lb. 4.00 - 4.25

Denatured,[1,6] CD14, dms., c.l., works, E..gal. .57 - —
19, dms., works, E....gal. .59 - —
1 to 18 dms., works, E..gal. .62 - —
tanks, E. dlvd.....gal. .56 - —

tankcar sales require written authorization by Alcohol Tax Unit.

SD1, 190 pf., dms., c.l., E. works..gal. .57 - —
19, dms., E. works..gal. .59 - —
1 to 18 dms., E. works, gal. .62 - —
tanks, E. works.....gal. .56 - —
Anhydrous 3c. per gal. higher.

SD2B, dms., c.l., wks., E.gal. .55 - —
19 dms., works, E...gal. .59 - —
1 to 18 dms., works, E. gal. .60 - —
tanks, E. works.....gal. .48 - —

SD23G (replaced by SD23H).

SD23H, works, c.l., dms..gal. .56½- —
19 dms. .....gal. .58½- —
1 to 18 dms. .....gal. .61½- —
tanks, E. works.....gal. .49½- —

SD29, denatured, with acetaldehyde, dms., c.l., E. works, gal. .56½- —
19 dms. or more, E. works..gal. .60 - —
1 to 18 dms., E. works, gal. .63 - —
tanks, E. works.....gal. .49½- —

When any of the several SD29 denaturants is supplied by the purchaser, the prices are the same as those for SD2B, plus 1½c. per gal. denaturing charge.

Special solvent, dms., c.l., works, E..gal. .58 - —
19 dms. to c.l.....gal. .60 - —
1 to 18 dms.....gal. .63 - —
tanks, E. works.....gal. .51 - —

Tankcar sales require written authorization by Alcohol Tax Unit.

Diacetone,[3,6] acetone-free, dms., c.l., dlvd..lb. .11½- .14⅛
l.c.l., dlvd.....lb. .11⅝- .15
tanks, dlvd.....lb. .10¼- .13⅛
tech., dms., c.l., dlvd.....lb. .11 - .13⅛
l.c.l., dlvd.....lb. .11½- .14
tanks, dlvd.....lb. .10 - .12⅛

Wartime Status of Materials

Applications of WPB and OPA regulations to materials listed in this section are indicated by superior figures as follows:—

[1]—Specific price ceiling

[2]—Price agreement (sellers with OPA)

[3]—General Limitation Order (L order)

[4]—General Preference Order (M order)

[5]—Conservation Order (M order)

[6]—Allocation

Alcohol, ethyl,[3] 190 pf., dms., c.l..gal. 17.67 - —
19 dms.....gal. 17.70½- —
1 to 18 dms.....gal. 17.73½- —
tanks .....gal. 17.60 - —
absolute, dms., c.l.....gal. 18.62 - —
19 dms.....gal. 18.65½- —
1 to 18 dms.....gal. 18.68½- —
tanks .....gal. 18.55 - —
Ethylhexyl, dms., c.l., works..lb. .24 - —
l.c.l., same basis.....lb. .25 - —
tanks, same basis.....lb. .23 - —
Furfuryl, tech., cns., works..lb. .35 - —
dms., c.l., works.....lb. .22½- —
l.c.l., works.....lb. .25 - —
tanks, works.....lb. .20 - —
Isoamyl (see Carbinol isobutyl).
Isobutyl,[3] refd., dms., works..lb. .0860- —
tanks, works.....lb. .0760- —
Isopropyl,[3,6] refd., 91%, dms., 5 gals., dlvd..gal. .66½- —
55 gals., c.l., dlvd....gal. .39 - —
l.c.l., dlvd.....gal. .43½- —
tanks, frt. alld.....gal. .34 - —
99%, dms., 5 gals., dlvd.gal. .65 - —
55 gals., c.l., dlvd....gal. .44 - —
l.c.l., dlvd.....gal. .47 - —
tanks, frt. alld.....gal. .37½- —
Methyl (see Methanol).
Octyl (see Alcohol, ethylhexyl).
Phenylethyl, bots., cns.....lb. No prices
Polyvinyl, type A, fiber-pack, Niagara Falls..lb. .65 - .70
type B, fiber-pack, same basis, lb. .60 - .63
Tetrahydrofurfuryl, dms., c.l., Waverly, N. Y..lb. .40 - —
l.c.l., same basis.....lb. .50 - —
cns., Cedar Rapids, Ia.....lb. .55 - —
Aldol,[6] dms., works.....lb. .13 - .15
denat., grd., dms.....gal. 1.20 - —
Aletris root, bgs.....lb. 2.40 - 2.50
Algin, bbls., fib. dms.....lb. .76 - 1.60
Alizarin (see Red, alizarin).
Alkanet root, bgs.....lb. No stocks
Allspice,[1] Mexican, bgs.....lb. .17 - .17½
Aloe, Cape, cs.....lb. .29 - .30
Curacao, kgs.....lb. .57 - .58
Socotrine, kgs.....lb. .55 - .60
Aloin, bbls., dms., kgs.....lb. 5.45 - 5.54
Alphanaphthol, bbls.....lb. .52 - —
Alphanaphthylamine, bbls.....lb. .32 - —
Alphapicoline, ret. dms., works, frt. equald..lb. .23½- .23½
Alphapinene, dms., c.l., wks..gal. .87 - —
l.c.l., works.....gal. .89 - —
tanks, works.....gal. .84 - —
Alphaterpineol, dms., c.l., works, lb. .1340- —
l.c.l.....lb. .1390- —
tanks .....lb. .1200- —
Alphatocopherol, amp.....gram. 1.00 - 1.10
Althea root, NF, peeled, bls...lb. .55 - .60
Alum, ammonia,[6] burnt, USP, bbls., kgs..lb. .16 - .18
gran., bbls., works....100 lbs. 4.00 - —
dlvd., N. Y., Phil..100 lbs. 4.00 - —
lump, bbls., works....100 lbs. 4.25 - —
dlvd., N. Y., Phil..100 lbs. 4.25 - —
powd., bbls., works....100 lbs. 4.40 - —
dlvd., N. Y., Phil..100 lbs. 4.40 - —
Potash, gran., bbls., wks.100 lbs. 4.25 - —
dlvd., N. Y., Phil..100 lbs. 4.25 - —
lump, bbls., works....100 lbs. 4.50 - —
dlvd., N. Y., Phil..100 lbs. 4.50 - —
powd., bbls., works....100 lbs. 4.65 - —
dlvd., N. Y., Phil..100 lbs. 4.65 - —
Potash-chrome, bbls.....lb. .12½- .15
Soda, bbls., c.l., works..100 lbs. 3.25 - 5.00
l.c.l., dlvd.....100 lbs. 4.25 - 5.00
Alumina, ground, classified, grade, kgs., works..lb. .65 - .67
top grade, ground, kgs., works, lb. .60 - .67
unclassified, ground, kgs., works..lb. .10½- .46
Acetate, basic solut., 24%, bbls., dlvd..lb. .10½- .11
solut., 20%, bbls., dlvd...lb. .09½- .10
Chloride, anhyd.,[4] com'l, bulk, c.l., works..lb. .08 - .11
l.c.l., works.....lb. .09 - .12
cryst., com'l, dms., c.l., works, lb. .06 - —
l.c.l., works.....lb. .06½- .06¾
solut., 22 deg., cbys., c.l., works..lb. .02¾- —
l.c.l., works .....lb. .03¼- —
Fluoride, tech., bbls.....lb. .25 - —
Formate, solut., 12-20° Be, bbls., c.l., works..lb. .09½- —
l.c.l., works .....lb. .10 - —
Hydrate,[6] heavy, bgs., c.l., works..lb. .024 - .031
bbls., c.l., works.....lb. .027 - .034
l.c.l., works .....lb. .04 - —
light, bgs., dlvd.....lb. .14½- —
bbls., dlvd. .....lb. .15 - —
Hydroxide, gel, tech., min. 15% AlO_3, dms., 10,000 lbs. or more, f.o.b. ship't point..lb. .03 - .03¼
ton lots, same basis...lb. .03 - .03¼
smaller lots, same basis, lb. .03¾ - .04
USP purity, conc., 9-9½% Al_2O_3, fib. dms., works, lb. .17¾ - —
contract, works.....lb. .16¾- —
14-15% Al_2O_3, fib. dms., works..lb. .20¾- —
contract, works.....lb. .19¾- —
dried, USP XII, fib. dms., works..lb. .76 - —
contract, works.....lb. .75 - —
powder, tech. (see Alumina hydrate).
USP IX, bbls., dms.....lb. .15 - .17
Laurate, prec. bbls.....lb. .25 - .26
Naphthenate, 1.7%, Al, 50-gal dms., works..lb. .18¾- —
Oleate, dms., contract.....lb. .24½- —
Resinate, precip., dms.....lb. .15½- —
Stearate, precip., bbls., c.l..lb. .23 - —
l.c.l. .....lb. .24 - —
Sulphate, com'l, bgs., c.l., works, frt equald..100 lbs. 1.15 - 1.25
l.c.l., works, frt. equald., 100 lbs. 1.40 - 1.50
bbls., c.l., works, frt. equald. 100 lbs. 1.35 - 1.45
l.c.l., works, frt. equald. 100 lbs. 1.60 - 1.70
iron-free, bgs., c.l., works.. 100 lbs. 1.85 - —
l.c.l., works.....100 lbs. 2.10 - —
trihydrate, heavy bgs., wks.. lb. .024 - .035
Aluminum, 98-99%,[3,4,5] c.l.....lb. .15 - —
l.c.l. .....lb. .15 - .16
Paste, lining, extra fine, 200-dm..lb. .56 - .60
ink, 150-lb. dm. .....lb. .71 - —
standard, 200-lb. dm.....lb. .38 - —
Powder, lining, extra fine, 150-dm..lb. .93 - —
litho, 150-lb. dm.....lb. .57 - —
standard, 200-lb dm.....lb. .59 - —
rubber comp., 200-lb. dm...lb. .40 - —
unpolished, stand., dms...lb. .36 - —
varnish, stand., 300-lb. dm.lb. .40 - —

Aluminum powder and paste prices are f.o.b. shipping point. Add 1c. per lb. for 100 lb. dm., 1½c. for 50-lb. dm., 3c. per lb. for 10-lb. can, and 5c. to 12c. per lb. for smaller containers. Deduct 1c. per lb. for single shipment of 400 to 1,499 lbs., 2c. for 1,500 to 4,999 lbs., 3c. for 5,000 to 29,000 lbs., and 4c. for 30,000 lbs. or more. Where destination is within the continental U. S., a deduction equivalent to the lowest available common carrier, transportation rate will be made from sellers' invoice on orders of 200 lbs. or over.

Ambergris, gray, tins.....oz. 13.50 -14.00
Aminomethylpropanol, cns., dms., works..lb. .50 - .60
Aminopyrine, bots., dms.....lb. 4.00 - 4.40
Ammonia,[6] anhydrous, fertilizer, tankcars, works, frt. equald. ton. 59.00 - —
refrigeration, tanks, wks..ton. 69.00 - —
pure, cyls.....lb. .14½- —
Aqua, 26°, cbys.....lb. .05¼- —
dms., c.l.....lb. .02¼- —
l.c.l. .....lb. .02½- —
tanks, works (NH_3 content). ton. 65.00 - —
Benzoate, USP, dms., kgs., 4,000 lbs. up, frt. alld..lb. .43 - —
smaller lots, frt. alld...lb. .44 - .47
Bicarbonate, dms., c.l.....lb. .0564- —
Bichromate, bbls.....lb. .23 - .25
Bifluoride, bbls.....lb. .15 - .17
Borate, gran., bbls., kgs....lb. .1080- —
powd., bbls., kgs.....lb. .1130- —
Bromide, NF, bbls.....lb. .28 - —
dms. .....lb. .29 - —
Carbonate, USP, lump, dms..lb. .03½- .09¼
cns. .....lb. .14¼- .17¾
powdered, 1c. per lb. higher.
Chloride, tech. (see Ammoniac, sal).
USP, gran., bbls., dms., kgs.. lb. .13 - .15
Citrate, dibasic, bbls.....lb. .75 - —
dms. .....lb. .80 - .85
Fluoride,[6] bbls.....lb. .18 - .20
Hydroxide (see Ammonia, aqua).
Hypophosphite, NF, dms....lb. 1.25 - 1.27
jars .....lb. 1.30 - 1.35
Iodide, NF, bots.....lb. 3.71 - —
jars .....lb. 3.65 - —
Linoleate, 80%, anhyd., bbls.lb. .12 - —
Molybdate,[6] c.p., cryst., kgs.lb. 1.26 - 1.28
fine cryst., bbls., kgs.....lb. .84 - .87
purified, dms.....lb. 1.10 - 1.12
Nitrate,[1,6] fertilizer grade, Canadian, 32.5% nitrogen, bgs., same N unit price, delivered, as Ammonia sulphate, domestic, bgs., c.l., shipping points..ton. 50.00 - —
bulk, same basis.....ton. 46.00 - —
tech, bgs., works.....100 lbs. 4.35 - 5.50
bbls., works.....100 lbs. 4.55 - —
Nitrate-Limestone, 20.5% N, bgs., Hopewell, Va...ton. 32.50 - —
Oleate, dms.....lb. .14 - —
Oxalate, purif., gran., bbls., kgs..lb. .27 - .33
Perchlorate,[6] kgs.....lb. .55 - .65
Persulphate, kgs.....lb. .25½- .28½
Phosphate, dibasic, NF V, bbls., kgs..lb. .37 - .39
tech., bbls., c.l.....lb. .07¼- —
l.c.l. .....lb. .08 - .08½
monobasic, pure, bbls.....lb. .40 - .45
tech., bbls., c.l.....lb. .07¼- —
l.c.l. .....lb. .08 - .08¼
Salicylate, NF, dms., kgs....lb. 1.15 - 1.18
Silicofluoride,[6] bbls.....lb. .15 - .18
Stearate, anhydrous, dms....lb. .34 - —
paste, dms.....lb. .08½- —
Sulphamate, bbls., works....lb. .18 - .24
Sulphate,[1,6] dms., bulk, inland producing ovens..ton. 28.20 - —
Atlantic coast ports...ton. 29.20 - —
Sulphide, liquid, 40-45%, basis 100%, dms., c.l., works..lb. .07½- —
l.c.l., dlvd.....lb. .15 - —
tanks, dlvd.....lb. .07½- —
red, 48%, cbys., works.....lb. .08 - —
dms., works.....lb. .06 - —
yellow, 33%, cbys., works..lb. .08 - —
dms., works .....lb. .06 - —
Sulphocyanide, CP, bbls.....lb. .55 - —
jars .....lb. .97 - —
tech., bbls.....lb. .17 - .19
Thioglycollate, basis 100%, highly purified, bbls..lb. 7.10 - 8.25

Ammoniac gum (see Gum, ammoniac).
Sal, gray, bbls., c.l., works... 100 lbs. 5.50 - 5.75
l.c.l., same basis..100 lbs. 6.00 - 6.70
white, gran., bbls., c.l., works. 100 lbs. 4.45 - —
l.c.l., same basis..100 lbs. 5.15 - —
Amyl acetate, ex fusel oil, tech., dms., c.l., dlvd..lb. .12½- .16¼
l.c.l., dlvd. .....lb. .13 - .19
tanks, dlvd. .....lb. .11½- .17¼
ex-pentane, dms., c.l., frt. alld. E. of Miss. R..lb. .15½- —
l.c.l., same basis.....lb. .16½- —
tanks, same basis.....lb. .14½- —
Alcohol (see Alcohol, amyl).
Butyrate, dms.....lb. .90 - 1.00
Caproate, dms. .....lb. 2.75 - —
Chloride, mixed, tech., dms., c.l., works..lb. .07 - —
l.c.l., works .....lb. .08 - —
tanks, works .....lb. .06 - —
Ether, dms., c.l., works....lb. .09½- —
l.c.l., works .....lb. .102 - —
tanks, works .....lb. .08½- —
Nitrite, USP, bots.....lb. 1.72 - 1.80
Mercaptan, dms., works.....lb. 1.10 - —
Salicylate, bots.....lb. .75 - 1.00
Stearate, dms., works.....lb. .42 - —
Amylene, dms., c.l., works....lb. .10½- —
l.c.l., works .....lb. .11 - —
tanks, works .....lb. .09 - —
Amylnaphthalene, mixed, crude, dms., works..lb. .14 - —
refd., dms., works.....lb. .16 - —
Anethol, com'l, dms., works...lb. .657 - .662
NF, dms.....lb. 2.60 - 3.00
Angelica atropurpurea root, dms., lbs..lb. .80 - 1.35
Angostura bark, bls.....lb. .20 - .21
Anilin[6] oil, dms., c.l., works, frt. alld..lb. .11½- —
l.c.l., works, frt. alld....lb. .12½- —
tanks, works, frt. alld....lb. .10½- —
Salt, dms., works.....lb. .22 - .24
Anise,[1] Cyprus, bgs.....lb. .29 Nom.
Bulgarian, bgs.....lb. No stocks
Mexican, recleaned, bgs.....lb. .17 - .17¼
Syrian, bgs.....lb. .19½- .20
Turkish, bgs. .....lb. No stocks.
Anisic aldehyde, bots.....lb. 3.25 - 3.35
Annatto,[5] paste, bxs.....lb. .34 - .39
Seed, bgs. .....lb. .08½- —
Anthracene, 80-85%, bbls., works, lb. .55 - —
90%, bbls., works.....lb. .65 - —
Anthraquinone, 99.5%, bbls....lb. .70 - —
Antimony butter (see Antimony chloride).
Chloride, solut., cbys.....lb. .17 - —
Metal,[1,6] bulk, c.l., works...lb. .14½- .17½
Needle,[1,6] Bolivian, brown, 67%, cs..lb. .18½- —
Chinese, black, 70%, cs.....lb. .20 - .22
Oxide,[1] ceramic grade, bgs., c.l..lb. .15 - —
l.c.l. .....lb. .15½- —
paint grade, c.l.....lb. .16¾- —
l.c.l. .....lb. .16¾- —
Salt,[1,6] 65%, bbls., dlvd. E. of Miss. River..lb. .40 - —
Sulphide,[1,6] 65-70%, bbls., c.l., works..lb. .17 - —
l.c.l., works.....lb. .17½- —
Antipyrine, bbls., kgs., ton....lb. 2.00 - —
smaller lots .....lb. 2.10 - 2.20
Apomorphine, bots.....oz. 23.20 -23.70
Apple Syrup,[1] bbls.....lb. .14 - .16
Archil extract, bbls.....lb. No stocks.
Areca nuts, powd., bbls.....lb. .23 - .24
Arecoline hydrobromide, bots.oz. 6.10 - 7.10
Argols, min. 70%, bgs., Argentine port, 100 kilos, 100% purity. 70.00 -72.00
Arnica flowers, bls.....lb. 2.35 - 2.45
Arrowroot, powd., bgs., bbls..lb. .10 - .10¾

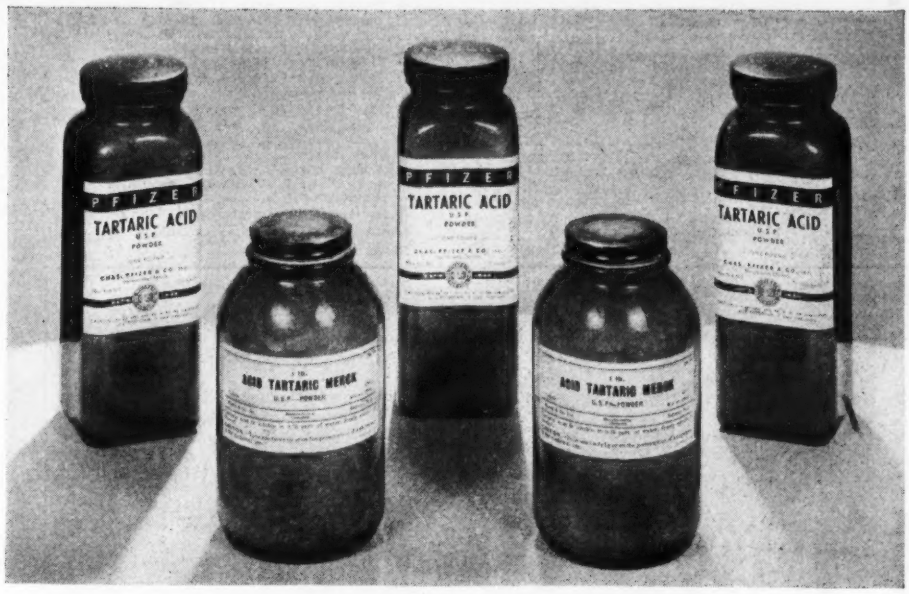
Arsenic,[6] metal, lump, c.l....lb. No prices.
Chloride (arsenous), bots.....lb. 1.55 - —
Iodide (arsenous), 5-lb. bots.lb. 5.58 - —
jars .....lb. 5.43 - —
Sulphide, yellow, bbls.....lb. No stocks.
Trioxide (see Acid, arsenous).
White, powd., kgs., c.l.....lb. .04 - —
l.c.l. .....lb. .04¾- —
Asafetida, cs. .....lb. .45 - .68
powd., bbls., dms.....lb. .65 - .82
Asbestine (see Talc, N. Y. fibrous).
Asbestos fiber, 5D and 5K, bgs., c.l. (20 tons), Cana. mines. ton. 49.50 - —
5R, bgs., same basis.....ton. 44.60 - —
6D, bgs., same basis.....ton. 33.00 - —
7D, bgs., same basis.....ton. 28.50 - —
7F, bgs., same basis.....ton. 26.50 - —
7H, bgs., same basis.....ton. 22.50 - —
7K, bgs., same basis.....ton. 19.00 - —
7M, bgs., same basis.....ton. 16.50 - —
7R, bgs., same basis.....ton. 15.50 - —
Asphaltum, Barbados, Dunellen, N. J..lb. .10½ —
California, dms., c.l.....ton. 36.40 - —
l.c.l. .....ton. 41.40 - —
Cuba A, bulk, c.l., N.Y...ton. 60.00 - —
l.c.l., same basis.....ton. 90.00 - —
B, bulk, c.l., N. Y. .....ton. 38.50 - —
l.c.l., same basis.....ton. 55.00 - —
Egyptian, substitutes, bgs., l.c.l., refinery N. J. or Ill..lb. 08 - —
Gilsonite, brilliant black, selects, 340°F, fusing point, bgs., mines..ton. 32.20 - —
290-295°F, fusing point, bgs., mines..ton. 30.50 - —
270°F. fusing point, bgs., mines..ton. 30.50 - —
seconds, 370-390°F, fusing point, not uniform, bgs., mines..ton. 28.50 - —
300-330°F. fusing point, not uniform, bgs., mines. ton. 25.50 - —
jet, bgs., ton lots, gross weight, Colo. mines..ton. 30.50 - —
Manjak No. 10, crude, dms., works..lb. .05½- .12
process form, bgs., wks..lb. .05¾- .13
jet, bgs., 2,000 lbs., gross weight Colo. mines..ton. 30.50 - —
Mexican, ref'd, dms., c.l., Texas ref'y..ton. 21.00 - —
l.c.l., same basis.....ton. 21.00 -23.00
tanks, same basis.....ton. 16.00 - —
Atropine, bots. .....oz. 7.85 - —
Sulphate, bots. .....oz. 5.90 - 6.00

B

Balm of Gilead buds, bgs.....lb. 1.05 - 1.15
Barbasco root,[2,6] (see Cube root).
Barberry, root bark, bgs.....lb. .90 - .95
Barbital, dms. .....lb. 3.50 - 3.60
sodium, dms. .....lb. 3.75 - —
Barium[6] carbonate, natural, 90% thru 200 mesh, bgs., c.l., works..ton. 43.00 - —
precip., bgs., c.l., works..ton. 60.00 -70.00
l.c.l., works .....ton. 65.00 -75.00
bbls., c.l., works.....ton. 65.00 -75.00
l.c.l., works .....ton. 70.00 -80.00
Chlorate,[6] kgs. .....lb. .36 - —
Chloride, CP, cryst., bbls....lb. .25 - .27
pure, bbls., kgs.....lb. .10 - .12
tech., cryst.,[6] bgs., c.l., works..ton. 73.00 - —
l.c.l., same basis....ton. 78.00 - —
bbls., c.l., same basis..ton. 75.00 - —
l.c.l., same basis....ton. 80.00 - —
Dioxide, dms., c.l., works....lb. .10 - —
l.c.l., works .....lb. .12 - .13
Fluoride, bbls. .....lb. .18 Nom.
Hydrate (see Hydroxide).
Hydroxide, bbls., works.....lb. .06 - .07
Iodide, bots. .....lb. 4.62 - 4.82
Monoxide (see Oxide).
Nitrate, bbls., c.l., works...lb. .09½- .11½
l.c.l., works .....lb. .10 - .11½
Oxide, dms., c.l., works.....lb. .08 - —
l.c.l., same basis.....lb. .10 - .12
grd., dms., l.c.l., works....lb. .11 - .16
Peroxide (see Dioxide).
Silicofluoride, bbls.....lb. .17 - .19
Stearate, ctns., 1 ton up.....lb. .31 - —
smaller lots.....lb. .32 - —
Sulphate, tech. (see Barytes, and Blanc fixe).
X-ray, bbls.....lb. .09½- .10
kgs. .....lb. .12 - —
Barytes, floated, bbls., c.l., St. Louis..ton. 27.65 - —
l.c.l., same basis.....ton. 28.65 - —
ex whse., N. Y.....ton. 36.00 - —
paper bags, c.l., St. Louis.ton. 25.35 - —
l.c.l., same basis.....ton. 26.35 - —
ex whse., N. Y.....ton. 34.00 - —
Southern, off-color, bgs., mines, ton. 17.50 - —
95.75%, bgs., mines.....ton. 18.00 - —
Ore, approx. 94% Ba SO_4, bulk, mines..ton. 8.50 - —
Bauxite, blk, mines.....ton. 7.00 10.00
Bay leaves (see Laurel leaves).
Barberry bark, bgs.....lb. .12 - .13
Belladonna leaves, bls.....lb. .90 - .96
Root, bls. .....lb. 1.50 - 1.55
Bentonite, 200 mesh, bgs., works. ton. 11.00 - —
325 mesh, bgs., works.....ton. 16.00 - —
Benzaldehyde,[6] NF, dms.....lb. .85 - 1.25
tech., cbys., dms.....lb. .45 - .55
Benzene (see Benzol).
Benzidin base, bbls.....lb. .76 - —
Benzocaine, cns. .....lb. 3.20 - 3.55
Benzol,[6] (benzene), pure, nitration and 90%, dms., works. gal. .20 - —
tankcars, E. of Omaha, frt. alld. up to 2c. per gal..gal. .15 - —
W. Coast f.o.b. Minnequa, Colo..gal. .15 - —
Benzophenone, dms.....lb. 1.15 - 1.20
Benzoyl chloride, cbys.....lb. .26 - .28
Peroxide, pure, gran., fib. ctns., works..lb. 1.95 - —
Benzyl acetate, f.f.c., cns.....lb. .59 Nom.
dms. .....lb. .55 - —
Alcohol (see Alcohol, benzyl).
Benzoate, a.m.a., f.f.c., dms.lb. 1.00 - 1.10
Chloride, cbys., frt. equald..lb. .22 - .24
Cinnamate, cns. .....lb. 5.15 - 5.50
Formate, cns. .....lb. 3.00 - 3.50
Isoeugenol, bots. .....lb. 9.50 - —
Propionate, bots. .....lb. 1.85 - 2.50
Salicylate, bots. .....lb. 1.90 - 2.15
Benzylidinacetone, bots.....lb. 2.00 - 2.50
Berberine bisulphate, cns.....lb. No stocks
Hydrochloride, bots. .....lb. No stocks
Sulphate, cns. .....lb. No stocks
Berberis root, bls. .....lb. .28 - .30
Betanaphthol, resublimed, dms., works..lb. .55 - .60
tech., bbls., c.l., works....lb. .23 - —
l.c.l., works .....lb. .24 - —
Benzoate, fib. dms., works..lb. 1.75 - —
Salicylate, dms. .....lb. 5.00 - —
Betanaphthylamine, tech., works. lb. .51 - —
Betapicoline, 90%, ret. dms., c.l., wks..lb. 1.60 - —
l.c.l., same basis.....lb. 1.85 - —
98%, same basis.....lb. 2.05 - —
98-99%, same basis.....lb. 2.20 - —
Beth root, bls. .....lb. .43 - .44

Bismuth[3] chloride, bots.....lb. 3.00 - —
jars .....lb. 2.85 - —
Citrate, USP VIII, bots.....lb. 2.81 - 2.86
jars .....lb. 2.75 - —
Hydroxide, bots. .....lb. 3.41 - 3.46
cns. .....lb. 3.35 - —
Metal, ton lots.....lb. 1.25 - —
Nitrate, cryst., bots.....lb. 1.41 - 1.46
cns. .....lb. 1.30 - —
Oxychloride, bots.....lb. 3.14 - 3.19
cns., dms., kgs.....lb. 3.10 - —
Subbenzoate, bots.....lb. 3.51 - —
fib. dms. .....lb. 3.40 - —
Subcarbonate, USP, bbls., dms. lb. 1.50 - 1.53
bots., cns. .....lb. 1.59 - 1.63
X-ray, 5-lb. bots.....lb. 2.79 - —
fib. dms. .....lb. 2.73 - —
Subgallate, NF, bots., cns..lb. 1.49 - 1.53
fib. dms. .....lb. 1.40 - 1.43
Subiodide, bots. .....lb. 4.19 - 4.25
fib. dms. .....lb. 4.13 - —
Subnitrate, USP, powd., bbls., dms..lb. 1.20 - 1.23
bots. .....lb. 1.29 - 1.33
Subsalicylate, USP, 82-86%, bbls., fib. dms..lb. 2.50 - —
5-lb. cns. .....lb. 2.54 - 2.59
Sulphocarbolate, bots.....lb. 3.71 - 3.74
fib. dms. .....lb. 3.65 - —
Bismuth-ammonia citrate, USP, powd., dms..lb. 3.40 - —
cns. .....lb. 3.45 - 3.50
Bisphenol-A, bgs., c.l., works..lb. .22 - —
l.c.l., works .....lb. .23 - —
Black, acetylene,[3] bgs., c.l., works..lb. .14 - —
l.c.l., same basis.....lb. .18 - —
Bone 1A, bgs., bbls., c.l., frt. alld. E..lb. .17 - —
2, bgs., bbls., c.l., same basis. lb. .12 - —
3, bgs., bbls., c.l., same basis, lb. .11 - —
4 bgs., bbls., c.l., same basis, lb. .08½- —
400A, bgs., bbls., c.l., same basis..lb. .08½- —
457, bgs., bbls., c.l., same basis..lb. .11¼- —
Bone black l.c.l. prices are ½c. higher than c.l. Pacific coast, ex dock, or whse., prices are 1½c. higher.
Carbon,[6] heads, compressed, bgs., c.l., works..lb. .08550- —
bgs., ctns., l.c.l., dlvd. or whse..lb. .07½- —
regular, uncompressed, bgs., c.l., works..lb. .03625- —
bgs., ctns., l.c.l., dlvd. or whse..lb. .06 - —
Charcoal (see C).
Graphite (see G).
Iron oxide, magnetic, pure, bbls., l.c.l., works..lb. .08½- —
Lamp, 1, ctns., works.....lb. .06½- —
l.c.l., works.....lb. .06 - —
2, ctns., c.l., works.....lb. .10 - —
l.c.l., works.....lb. .11 - —
2A, ctns., c.l., works.....lb. .12 - —
l.c.l., works.....lb. .13½- —
3, ctns., c.l., works.....lb. .14½- —
l.c.l., works.....lb. .15¾- —
4, ctns., c.l., works.....lb. .16½- —
l.c.l., works.....lb. .17½- —
5, ctns., c.l., works.....lb. .20 - —
l.c.l., works.....lb. .26 - —
6, ctns., c.l., works .....lb. .26½- —
l.c.l., works.....lb. .27½- —
7, ctns., c.l., works.....lb. .37½- —
l.c.l., works.....lb. .38½- —
Mineral, vine type, bbls., l.c.l., works..lb. .04¾- —
Vine A, bbls.....lb. .04½- .05
B, bbls.....lb. .05¾- —
kegs .....lb. .06 - —
Black dyes (see Dyes).
Black haw root bark, bls....lb. .90 - .95
Tree bark, bls.....lb. .40 - .50
Black Indian hemp root, bls..lb. .50 - .55
Blanc fixe, dry, by-product, bgs., c.l., works..ton. 60.00 - —
l.c.l., works.....ton. 67.50 - —
Blanc fixe, dry, direct process, bgs., c.l., works..ton. 70.00 - —
l.c.l., works.....ton. 75.00 - —
bbls., c.l., works.....ton. 75.00 - —
l.c.l., works.....ton. 80.00 - —
pulp, 66⅔%, bbls., c.l., works, ton. 40.00 - —
l.c.l., same basis.....ton. 46.50 - —
Bleaching powder,[2,6] dms., c.l., works..100 lbs. 2.50 - 3.10
l.c.l., works.....100 lbs. 2.75 - 3.60
Blood,[1] dried, 16-16½% ammon., bgs..unit-ton. 5.53 - —
high-grade, unground, 16-17% ammon., bulk, Chicago.. unit-ton. 5.53 - —
soluble, bgs., c.l., Chicago...lb. .13½- —
smaller lots, Chicago....lb. .15 - .20
Bloodroot, bls. .....lb. .70 - .80
Blue,[1] alkali, dry, bbls., dlvd. N. of Tenn. and N. C., E. of Miss. River, including St. Paul, Minneapolis, Davenport, Rock Island, St. Louis. lb. 1.75 - —
toner, bbls., same basis..lb. .85 - .90
Celestial, bbls., same basis..lb. .10 - .12
Cobalt,[6] genuine, bbls., same basis..lb. 4.90 - —
Imitation (see Blue, ultramarine).
Copper phthalocyanin, full strength, bbls., same basis. lb. 3.50 - 3.75
80%, bbls., same basis...lb. 3.00 - —
green shade, bbls., same basis..lb. 4.50 - 4.70
Chinese, bbls., same basis...lb. .36 - —
Iron (see Blue, Chinese, Milori, Potash, Prussian, and Soda).
Milori, bbls., same basis.....lb. .36 - —
Molybdated, Victoria, same basis..lb. 3.15 - —
Peacock, fugitive, 100% const strength, same basis..lb. .52 - —
permanent, toner, green shade, molybdic..lb. 3.50 - —
tungstic .....lb. 4.00 - —
Potash, CP, bbls., same basis. lb. .42 - —
Prussian, bbls., same basis..lb. .36 - —
soluble, bbls., same basis..lb. .36 - —
Soda, CP, bronze, bbls., same basis..lb. .36 - —
Ultramarine, dry or pulp, cobalt grades, bbls., same basis..lb. .23 - .27
job grades, bbls., same basis, lb. .12 - .18
reg. grades, bbls., same basis, lb. .17 - .27
Victoria, toner, molybdic, bbls., lb. 3.15 - —
tungstic, bbls.....lb. 3.30 - —
ink toner, bbls., same basis, lb. 1.83 - —
syn. vehicle, bbls., same basis..lb. 1.93 - —
Violet, toner, molybdic, kgs., same basis..lb. 1.25 - —
tungstic, kgs., same basis..lb. 2.10 - —
Blue dry colors, dlvd. prices ½c. higher Ala., Fla., Ga., La. (Shreveport, 1¼c.); Miss., N. C., S. C., Tenn., Tex. (El Paso, 2c.); Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph: 1.6c. higher, Pac. Coast; Denver, Pueblo, Salt Lake City, Wichita, frt. equalized with Chicago.
Blue dyes are listed under Dyes.
Blueflag root, bls.....lb. .50 - .55
Blue mass, NF, cns., tubs....lb. 1.58 - 1.75
powd., bots., cns., dms.....lb. 1.61 - 1.75
Bluestone (see Copper sulphate).

Introducing



THE PERFECT PACKAGE

For the first time in all the years we have been supplying tartaric acid, we are now able to offer the powder suitably packed for export.

This is a truly U. S. P. free-flowing product packed in sturdy cases for overseas shipment.

---Or for domestic use if you require a superior grading.

WILLIAM D. NEUBERG COMPANY

Chemicals

GRAYBAR BUILDING • 420 LEXINGTON AVE • NEW YORK 17, N. Y.
TELEPHONE LEXINGTON 2-3324

Blue vitriol (see Copper sulphate).
Bone, raw, bulk, Chicago....ton.57.00 -65.00
junk, bulk, same basis....ton.35.00 - —
meal, 4½% ammon., 50% phos., bgs., E. works..ton.37.50 - —
Chicago, works.....ton.39.50 - —
steamed, feeding grade, 1% ammon., 60% phos., bgs., E. works..ton.48.50 - —
Chicago, works.....ton.50.00 - —
fertilizer grade, 3% ammon., 50% phos., bgs., E. works..ton.38.50 - —
Chicago, works.....ton.36.00 - —
Precipitated (see Calcium phosphate tribasic, precip.).
Phosphate, defluorinated (see D).
Boneset leaves, bls.....lb. .14 - .15
Borage flowers, bls.....lb. .55 - .60
Borax,[2] tech., 99½% gran., bulk, c.l., frt. alld..ton.41.50 - —
bgs., c.l., frt. alld....ton.45.00 - —
ton lots, ex whse....ton.56.00 - —
less ton lots, ex whse.ton.61.00 - —
bbls., c.l., frt. alld...ton.55.00 - —
ton lots, ex whse....ton.66.00 - —
less ton lots, ex whse.ton.71.00 - —
powd., bgs., c.l., frt. alld..ton.50.00 - —
ton lots, ex whse....ton.61.00 - —
less ton lots, ex whse.ton.66.00 - —
bbls., c.l., frt. alld...ton.60.00 - —
ton lots, ex whse....ton.71.00 - —
less ton lots, ex whse.ton.76.00 - —
USP, $15 per ton higher.
Bordeaux mixt., dms., c.l., whse., works, frt. alld..lb. .11 - —
l.c.l., same basis.....lb. .11½- —
Bornyl thiocyanoacetate (see Isobornyl thiocyanoacetate).
Brasilwood extract (see Hypernic).
Brimstone (see Sulphur).
Bromine, purified, cs., c.l....lb. .21 - —
1,000 lbs., frt. alld. E. of Rockies..lb. .23 - —
single pkgs., same basis..lb. .28 - —
Bromoform, USP, bots.....lb. 1.50 - —
cbys. .....lb. 1.42 - —
Bromstyrol .....lb. 4.30 - 5.00
Bronze powder, aluminum (see A).
gold, litho., cns., dms., works, lb. .60 - .65
moulding, cns., dms., same basis..lb. .80 - 1.00
printing ink, cns., dms., same basis..lb. .85 - 1.20
radiator, cns., dms., same basis..lb. .45 - .50
Broomtop, bls.....lb. .13 - .15
Brown,[3] iron-oxide, pure, precip., cks., works..lb. .12 - —
metallic, bbls., c.l., works..lb. 02½- —
Sap, crystals, works.....lb. .12 - —
powdered .....lb. .13 - —
Sienna, burnt, American, bbls., works..lb. .03¾- .05
pap. bgs., c.l., same basis, lb. .0235- —
Italian type, bbls., works.lb. .08¾- .10¾
raw, American, bbls., works.lb. .04 - .10
Italian type, bbls., works.lb. .08 - .10
Umber, American, bbls., works, lb. .03¾- —
Italian type, bbls., works.lb. .04¾- —
Turkey-type, bbls., l.c.l., f.o.b. Boston, Bethlehem, Easton, Pa.; N. Y....lb. St. Louis, Chicago, Indianapolis, New Orleans.. lb. .04¾- —
Minneapolis .....lb. .0535- —
Pittsburgh .....lb. .05 - —
ex car, Los Angeles.lb. Portland, San Francisco, Seattle..lb. .05¾- —
ex whse., Los Angeles.lb. Portland, San Francisco, Seattle..lb. .05¾- —
Brown, vandyke, reg., bbls., works..lb. .09 - —
special, bbls., same basis..lb. 12 - —
Brucine, 100-oz. cns.....oz. .35 - —
Sulphate, 100-oz. cns.....oz. .30 - —
Bryonia root, bls.....lb. .60 - .65
Buchu leaves, bls.....lb. .80 - .85
Buckthorn bark, bls.....lb. .70 - .72
Berries, bgs.....lb. .60 - .70
Burdock root, bls.....lb. .30 - .32
Burgundy pitch, dms.....lb. .06 - —
Butane,[1] indust., tanks, Group 3, gal. .03½- —
Butyl acetate, normal,[1,6] ferment, Ill., Ind., prod., dms., c.l., frt. alld. E. of Miss. R. lb. .18¼- —
l.c.l., frt. same basis, lb. .18¾- —
tanks, same basis.....lb. .17¼- —
other production, dms., c.l., same basis..lb. .1900- —
l.c.l., same basis....lb. .1950- —
tanks, same basis.....lb. .1800- —
Synthetic, dms., c.l., same basis..lb. .11¾- —
l.c.l., same basis....lb. .1950- —
tanks, same basis.....lb. .10¾- —
secondary,[1,6] dms., c.l., dlvd. E. of Miss. R..lb. .09½- —
l.c.l., same basis.....lb. .10 - —
tanks, same basis.....lb. .08½- —
Normal butyl acetate, W. of Miss. R., ½c. per lb. higher.
Alcohol (see Alcohol, butyl).
Aldehyde, dms., c.l., works..lb. .15½- —
l.c.l., works.....lb. .16½- —
tanks, works.....lb. .14½- —
Chloride, normal, dms., c.l., works..lb. .32 - —
l.c.l., works.....lb. .35 - —
Ether (see Ether, butyl).
Lactate, dms., works.....lb. .26¼- —
Laurate, dms., works.....lb. .42 - —
Myristate, dms., works.....lb. .41 - —
Oleate, ref., dms., l.c.l., works, lb. .35 - —
tech., dms., c.l., works.....lb. .24 - —
l.c.l., works.....lb. .24½- .25½
Phenylacetate, dms.....lb. 2.00 - 2.25
Phthalate (see Dibutyl Phthalate).
Proprionate, dms., dlvd.....lb. .16½- .17
tanks .....lb. .15½- —
Stearate, dms.....lb. .31 - .31½
Butyric ether, bots.....gal. 6.50 - 6.95
cns., works.....lb. .65 - .70
dms., works.....lb. .60 - —

C

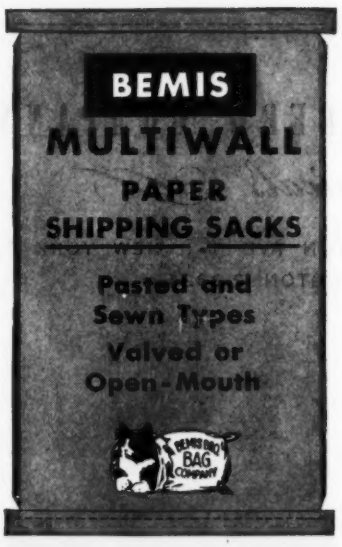
Cadmium bromide,[6] bots.....lb. 1.84 - 1.91
jars .....lb. 1.65 - 1.70
Iodide,[6] bots.....lb. 4.23 - —
cns. .....lb. 4.09 - —
Lithopone (see Yellow).
Metal,[1,6] pat. shapes, cs., dlvd., lb. .95 - —
Ingots or sticks.....lb. .90 - —
Selenide (see Red).
Sulphide(see Yellow).
Caffeine,[1,6] dms., makers primary distrib., 100 lbs. or more..lb. 2.80 - 2.88
25 to 100 lbs.....lb. 2.95 - 3.10
smaller lots.....lb. 3.15 - 3.25
anhydrous, dms., 100 lbs. or more..lb. 3.00 - 3.08
25 to 100 lbs.....lb. 3.15 - 3.30
smaller lots.....lb. 3.35 - 3.45
Citrated, dms., makers primary distrib., 100 lbs. or more, lb. 1.95 - —
smaller lots.....lb. 2.05 - 2.30
Hydrobromide, bots.....lb. 5.29 - 5.37
Calabar beans, bgs.....lb. .30 - .35
Calamus root, dom., bls.....lb. .40 - .45
Calcium acetate, bgs., dlvd..... 100 lbs. 3.00 - 4.00
Arsenate, bgs., c.l., whse., works, frt. alld..lb. .07½- .08
l.c.l., same basis.....lb. .08 - .08½
Bromide, jars.....lb. .65 - .70
Carbide,[1,5,6] dms., c.l., works, ton.50.00 - —
dlvd. .....ton.87.00 -90.00
Carbonate (see Chalk and Whiting).
Chloride, flake, 77-80%, paper bgs., c.l., dlvd..ton.18.50 -35.00
l.c.l., 15 tons, dlvd..ton.21.50 -25.50
5-ton lots.....ton.28.50 -41.00
liquor, basis 40%, tanks, wks., ton. 7.50 - —
purified, cryst., bbls., jars.lb. .28 - .39
solid, 73-75%, dms., c.l., dlvd., ton.18.00 -31.50
l.c.l., 15 tons, dlvd..ton.21.45 -25.45
5-ton lots.....ton.24.85 -40.95
Calcium chloride prices vary according to zone min. prices, spot. C.l. prices for flake in burlap paper-lined bags, $2.50 per ton over paper bags; drums, $3.50 per ton over paper bags.
Gluconate, USP, gran., bbls..lb. .52 - —
dms. .....lb. .57 - .59
cns. .....lb. .70 - —
Powd., 2c. per lb. lower.
Glutamate, kgs.....lb. 1.50 - —
Glycerophosphate, fiber dms., 1,000-lb. lots..lb. 1.25 - —
smaller lots.....lb. 1.75 - —
Iodide, bots., jars.....lb. 4.04 - 4.19
Lactate, edible, 100 lbs., dms., lb. .21 - —
USP, bbls.....lb. .35 - .37
Laurate, bbls.....lb. .28 - .29
Mandelate, USP, dense, fluffy, dm..lb. 2.05 - 2.34
Naphthenate, 4% Ca, 50-gal. dms..lb. .22½- —
Pantothenate, dex., 100-gram bots..per gram. .10 - —
Phosphate, feeding grade, bgs., works..ton.75.00 - —
food grade, bbls., 10 or over, works..lb. .07 - .07¾
5 to 9 bbls., works.....lb. .08 - .09
1 to 4 bbls., works.....lb. .10 - —
medicinal, dibasic, bgs..... 100 lbs.11.40 -18.00
monobasic, cryst., bgs., c.l., works, frt. equald..lb. .03¾- —
l.c.l., frt. equald.....lb. .06 - .06½
tribasic, bbls., c.l., works..lb. .0635- —
Resinate, precip., 5.5% Ca, 100-lb. dms..lb. .15½- —
Silicate, hydrated, 50-lb. paper bgs., c.l., work..lb. .05½- —
l.c.l., works.....lb. .06 - —
Stearate, precip., bbls., c.l., works..lb. .25 - —
l.c.l., same basis.....lb. .26 - .28
Sulphate (see Gypsum).
Sulphide, 70%, bgs., c.l., works, ton.45.00 - —
80%, bgs., c.l., works....ton.50.00 - —
luminous, tins, works.....lb. 1.00 - —
Sulphocarbolate, bbls.....lb. .49 - .50
Tallate, 3%-4% Ca, 50-gal. dms. lb. .13¼- .19½
Calcium-strontium sulphide, phosphorescent, dms., works..lb. 1.00 - 1.50
fine particle size, works. lb. 1.50 - 1.75
Calendula flowers, bls.....lb. No stocks
Calomel,[6] bbls., dms.....lb. 2.56 - 2.67
Camphor,[6] natural.....lb. No stocks
synth., tech., bbls., contract, 2,000 lbs. or more, works. lb. .42 - —
10 bbls. (1,500 lbs.).....lb. .44½- —
5 to 9 bbls.....lb. .45 - —
1 to 4 bbls.....lb. .46 - —
smaller lots.....lb. .48 - .55
USP, gran., powd., bbls., 2,000-lb. lots..lb. .69 - —
1,000-lb. lots.....lb. .70 - —
smaller lots.....lb. .71 - —
tablets, 2,000-lb. lots.....lb. .82 - —
1,000-lb. lots.....lb. .83 - —
smaller lots.....lb. .84 - —
Monobromate, 25-lb. dm.....lb. 3.20 - —
Canada balsam (see Fir balsam).
Cantharides .....lb. No stocks
Capsicum (see Pepper, red).
Caramel coloring, bbls.....gal. .70 - 1.10
Caraway seed,[1] California, Dutch type, bgs..lb. .78 - .79
Canadian, bgs.....lb. .78 - .79
Morocco, dewhiskered, bgs...lb. No stocks
Spanish, dewhiskered, bgs...lb. .76 - .77
Syrian, dewhiskered, bgs....lb. .76 - .77
Carbazole, 95%, dms., ton lots, works..lb. .70 - —
smaller lots, works.....lb. .80 - —
98%, dms., ton lots, works...lb. .75 - —
smaller lots, works.....lb. .85 - —
Carbinol, butyl, norm. (see Amyl alcohol, normal).
secondary, dms., l.c.l., works lb. .60 - —
Dimethylethyl, l.c.l., works..lb. .60 - —
Isobutyl, dms., c.l., works..lb. .22½- —
l.c.l., works.....lb. .23½- —
tanks, works.....lb. .21½- —
Carbon bisulphide, 55-gal. dms., c.l., frt. alld. E. of Miss. R., N. of Ohio R..lb. .05 - —
l.c.l., same basis.....lb. .05¾- —
5-gal. dms., c.l., same basis, lb. .07 - .07½
l.c.l., same basis.....lb. .08 - .08½

It pays to be a Bemis Multiwall paper bag Customer

EVEN though direct government purchases have taken a considerable part of our multiwall paper bag production this year, Bemis customers have not suffered . . . they have been supplied on the basis of past purchases, even in the face of the labor shortage and no increase in facilities.

Naturally, the demand for Multiwalls has been greater than the supply. Much as we regret inability to fill all orders, we have felt a responsibility to take care of our regular customers first. Fortunately, we've been able to do that—and right on schedule. If it's humanly possible, we'll keep on maintaining this service.

War or peace, we want our customers to feel that it pays to be Bemis customers.



NORTH
WEST EAST
SOUTH

A major reason we've been able to supply our Multiwall customers is the size and flexibility of our production facilities.

Bemis Multiwall Plants at

PEORIA, ILL.
EAST PEPPERELL, MASS.
MOBILE, ALA.
SAN FRANCISCO, CALIF.
WILMINGTON, CALIF.
ST. HELENS, ORE.

These plants not only give us large production, but also quick accessibility to all parts of the country.

BEMIS BRO. BAG CO. Baltimore • Boston • Brooklyn Buffalo • Charlotte • Chicago
Denver • Detroit • Houston • Indianapolis • Kansas City • Los Angeles • Louisville
Memphis • Minneapolis • New Orleans • New York City • Norfolk • Oklahoma City • Omaha
St. Louis • Salina • Salt Lake City • Seattle • Wichita

Carbon dioxide, cyls.	lb.	.06 -	.08
Tetrachloride,[1,6] c.p., dms., c.l.	lb.	.07½-	—
l.c.l.	lb.	.08 -	—
tech., Zone 1, 52¼-gal. dms., c.l., frt. alld.	gal.	.73 -	—
l.c.l., frt. alld.	gal.	.80 -	—
5 or 10-gal. dms., c.l., frt. alld.	gal.	.97 -	—
l.c.l., frt. alld.	gal.	1.07 -	—
Zone 2, 52¼-gal. dms., c.l., frt. alld.	gal.	.00 -	—
l.c.l., frt. alld.	gal.	.87 -	—
5 or 10-gal. dms., c.l., frt. alld.	gal.	1.04 -	—
l.c.l., frt. alld.	gal.	1.14 -	—
Zone 3, 52½-gal. dms., c.l., frt. alld.	gal.	.94 -	—
l.c.l., frt. alld.	gal.	1.00 -	—
5 or 10-gal. dms., c.l., frt. alld.	gal.	1.17 -	—
l.c.l., frt. alld.	gal.	1.27 -	—
Zone 4, 52½-gal. dms., c.l.,	gal.	.83 -	—
l.c.l.	gal.	.90 -	—
5 or 10-gal. dms., c.l.	gal.	1.07 -	—
l.c.l.	gal.	1.17 -	—
Tetrachloride, USP, cbys.	lb.	.17	.19

Carbon tetrachloride prices are frt. alld. with the exception of Zone 4, where prices are f.o.b. cars, L. A., Cal.; S. F., Cal.; Portland, Ore., and Seattle, Wash. Sales zones are:—1, Conn., Del., Ill., Ind., Ia., Me., Mass., Md., Mich., Minn., Mo., N. H., N. J., N. Y., N. C., O., Pa., R. I., Tenn., Va., W. Va., Wis., and river cities of Burlington, Ia., and Kansas City, Kans.; 2, Ala., Ark., Fla., Ga., Kans., La., Miss., Neb., N. D., Okla., S. C., S. D.; 3, Colo., N. Mex., Tex., and Montana points E. of Billings; 4, Ariz., Cal., Idaho, Nev., Ore., Utah, Wash. and Montana points W. of Billings.

Cardamom,[1] bleached, bold, cs.	lb.	1.35 -	1.45
medium, cs.	lb.	1.25 -	1.30
decorticated, cs.	lb.	.73 -	.75
green, bgs.	lb.	.70 -	.71
Carotene, crystalline (alpha, 10%; beta, 90%), amps, 100 grams, dlvd.	gram.	2.85 -	—
50 grams, dlvd.	gram.	2.90 -	—
Carvol bots.	lb.	22.50 -	23.00
Cascara sagrada bark, bulk.	lb.	.32 -	.35
Case-hardening mixture, 30% gran., dms., l.c.l.	lb.	.09¾-	—
slabs, dms., l.c.l.	lb.	.08¾-	—
Casein,[1,6] dom., acid-precip., bgs., 100 or more, ship't point.	lb.	.22 -	—
20 to 99, same basis.	lb.	.22¼-	—
less than 20, same basis.	lb.	.22¾-	—
rennet-precip., bgs., 100 or more, same basis.	lb.	.23½-	—
20 to 99, same basis.	lb.	.23¾-	—
less than 20 bgs.	lb.	.24¼-	—
imp., acid-precip., ground, bgs., 100 bgs. or more.	lb.	.18 -	.18½
rennet-precip., unground, bgs., 100 bgs. or more.	lb.	.19½-	.21
Cassia[1]	lb.	No stocks	
Cassia fistula, bskts.	lb.	.26 -	.28
Castor beans, f.o.b. Brazilian ports.	long ton.	76.00 -	77.00
Oil (see Oil, castor).			
Pomace,[1] bgs., c.l., works.	unit-ton.	2.90 -	—
Castoreum, nat., cns.	lb.	12.50 -	13.00
synth, bots.	lb.	19.00 -	—
Catechol, CP, cryst., works, fib. dms., tin.	lb.	2.15 -	2.30
resublimed, frt. alld. E. of Miss., dms.	lb.	3.50 -	—
Catnep, bls.	lb.	.65 -	.66
Celery seed,[1] Indian, bgs.	lb.	.22¼-	.28
Celluloid scrap (see Pyroxylin scrap).			
Cellulose acetate,[4,6] flake, ctns., works, frt. alld.	lb.	.30 -	.35
granules, ctns., same basis.	lb.	.35 -	—
Triacetate,[4,6] flake, ctns., works, frt. alld.	lb.	.30 -	—
Cerium hydrate, dms., works.	lb.	.60 -	—
Oxalate, USP, bbls., works.	lb.	.35 -	—
kgs., works.	lb.	.37 -	—
Oxide, optical grade, kgs., 100-lb. lots, works.	lb.	1.50 -	—
smaller lots, bgs., same basis.	lb.	2.00 -	—
Chalk, precipitated, cosmetics, dentifrices, and drugs, bgs., c.l., works.	lb.	.02⅞-	—
paint and other industries, bgs., c.l., works.	ton.	40.00 -	—
papermakers, bgs., c.l., works,	ton.	32.50 -	—
rubbermakers, bgs., c.l., works,	ton.	30.00 -	—
Chamomile, Hungary type, cs.	lb.	.45 -	.50
Roman, bls.	lb.	No stocks	
Charcoal, pinewood,[1,6] gran., pulv., bgs., c.l., f.o.b. producers' plants in South.	ton.	30.20 -	—
l.c.l., same basis.	ton.	41.00 -	—
Willow, powd., bbls.	lb.	.06 -	.07
Chestnut extract,[1,6] clarif., 25%, bbls., c.l., works.	100 lbs.	2.85 -	3.85
l.c.l., works.	100 lbs.	3.10 -	4.10
tank, works.	100 lbs.	2.25 -	3.25
powdered, 65% tannin, bgs., c.l., works.	100 lbs.	6.50 -	9.10
l.c.l., works.	100 lbs.	7.25 -	9.85
Chillies (see Pepper, red).			
China clay, dom., dry-grd., air-float, 99.75%, 300 mesh, bgs., c.l., works.	ton.	9.50 -	—
l.c.l., works.	ton.	16.00 -	—
bulk, c.l., works.	ton.	7.00 -	—
200 mesh, bgs., c.l., works.	ton.	8.50 -	—
l.c.l., works.	ton.	9.50 -	15.50
wet-grd., silkbolt, 89½%, 325 mesh, bulk, c.l., works.	ton.	9.50 -	—
paper bgs., c.l., works.	ton.	12.50 -	—
import, white, lump, bulk, c.l., ex dock Balto., Boston, Norfolk, Phila.	ton.	19.00 -	24.00
powd., cks., l.c.l., ex whse.	ton.	41.00 -	—
Chloral hydrate, jars.	lb.	.93 -	.98
dms.	lb.	.90 -	.95
Chlorinated rubber,[6] standard, ctns., 100 lbs. up, works.	lb.	.32 -	—
smaller lots, works.	lb.	.35 -	—
Chlorine,[2,6] liquid, cyls., l.c.l.	lb.	.05¼-	—
contracts	lb.	.05¼-	—
l.c.l.	lb.	.07¼-	—
Chlorine, liquid, tanks, single units, works, frt. equald.	100 lbs.	1.75 -	—
multiple units, 3 or over, works, frt. equald.	100 lbs.	2.00 -	—
2, wks., frt. equald.	100 lbs.	2.50 -	—
1, wks., frt. equald.	100 lbs.	3.00 -	—
Chloroform, tech., dms.	lb.	.20 -	.23
USP, dms.	lb.	.30 -	.33
Chloropicrin, com'l, 180-lb. cyls., works, frt. alld.	lb.	.80 -	—
100-lb. cyls., same basis.	lb.	.82 -	—
25-lb. cyls., ex whse.	lb.	1.00 -	—
1-lb. bots., ex whse.	lb.	1.25 -	—
Choline chloride, fib. dms.	lb.	3.00 -	3.10
Dihydrogen citrate, fib. dms.	lb.	3.00 -	3.10
Chrome acetate, powd., 24%, bbls.	lb.	.22 -	—
solut., 8%, bbls., cs.	lb.	.07½-	—
7½%, bbls., cs.	lb.	.06½-	—
Chrome cake, bulk, c.l., works.	ton.	16.00 -	—
Ore,[1] residue, paper bgs., c.l., works.	ton.	15.00 -	—
Oxide (see Green, chrome).			
Trioxide (see Acid, chromic).			
Yellow (see Yellow, chrome).			
Chrysarobin, bots.	lb.	6.02 -	6.09
Cinchona bark,[6] red, quill, USP, 10 in., cs.	lb.	1.20	Nom.
Cinchonidine,[6] small, cryst., cns.	100 ozs.	.80 +	.13½*
Sulphate, NF, cns., 100 ozs.	oz.	.80 +	.13½*

* Surcharge to cover present war-risk insurance, higher ocean freight rates and additional expenses over the cost of usual business. Changes in these controlling factors will be reflected in the surcharge invoiced.

Cinchonine,[6] small, cryst., cns., 100 ozs.	oz.	.62 +	.13½*
large cryst., cns., 100 ozs.	oz.	.66 +	.13½*
Sulphate, NF, cns., 100 ozs.	oz.	.42 +	.13½*

* Surcharge to cover present war-risk insurance, higher ocean freight rates and other expenses over the cost of usual business. (Changes in these controlling factors will be reflected in the surcharge invoiced.

Cinchophen, NF, heavy dms.	lb.	3.70 -	3.80
standard, dms.	lb.	3.50 -	3.60
Cinnamic alcohol (see Alcohol, cinnamic).			
Aldehyde, cns., dms.	lb.	2.50 -	3.00
Cinnamon,[1] Ceylon, 2, bls.	lb.	.58 -	.63½
No. 2, bls.	lb.	.52 -	.53
chips, bgs.	lb.	.56	Nom.
Citral, bots., cns.	lb.	4.50 -	5.00
Citrine ointment, jars.	lb.	.95 -	1.15
Citronellal, bots., dms.	lb.	2.75 -	3.25
Citronellol, bots., dms.	lb.	6.00 -	7.00
Clove,[1] Madagascar, futures, bls.,	lb.	.15¼-	.15⅝
Zanzibar, bls.	lb.	.17½-	.18
futures, bls.	lb.	.16¼-	.16⅝
Clover tops, red, bgs.	lb.	.55 -	.60
Coaltar,[6] coal-gas, crude, bbls., c.l., works.	bbl.	8.25 -	—
l.c.l., works.	bbl.	8.75 -	—
tanks, works.	gal.	.07¼-	—
refd., bbls., c.l., works.	bbl.	8.75 -	—
l.c.l., works.	bbl.	9.25 -	—
tanks, works.	gal.	.08½-	—
water-gas, crude, dms., c.l., works.	bbl.	8.25 -	—
l.c.l., works.	dm.	8.75 -	—
refd., dms., c.l., works.	dm.	9.25 -	—
Cobalt acetate,[6] bbls., kgs., dlvd.	lb.	.83¾-	—
feed grade, 49.5% Co, kgs.	lb.	1.25 -	—
Carbonate,[6] powd., bgs., works.	lb.	1.58 -	—
feed grade, 23% Co, kgs.	lb.	1.85 -	—
Chloride, kgs., works.	lb.	.87½-	—
feed grade, 24.5% Co, kgs.	lb.	1.25 -	—
Hydrate,[6] bbls.	lb.	2.04 -	—
feed grade, 62% Co., kgs.	lb.	2.25 -	—
Linoleate, paste, 5%, dms.	lb.	.32 -	.35
solid, 8½%, dms.	lb.	.44 -	—
Naphthenate, 6% Co., 50-gal. dms.	lb.	.31 -	—
Nitrate, feed grade, 20.4% Co., kgs.	lb.	1.25 -	—
Oleate, bbls.	lb.	.44	Nom.
Oxide,[6] black, kgs.	lb.	1.84 -	—
Phosphate, feed grade, 34% Co., kgs.	lb.	1.75 -	—
Resinate, precip., 7.5% Co., 100-lb. dms.	lb.	.38½-	—
Soyate, 8%-8.5% Co., 50-gal. dms.	lb.	.42 -	.44
Sulphate,[6] dms.	lb.	.65 -	—
feed grade, 21% Co., kgs.	lb.	1.00 -	—

Cobalt salts, feed grade, quotations are f.o.b. Philadelphia, Cleveland, or New York.

Cobalt-ammonium sulphate, 14% Co., kgs.	lb.	.75 -	—
Cocaine hydrochloride, 100-oz. lots, cns.	oz.	9.75 -	—
Cochineal, gray, bgs.	lb.	.37 -	.38
silver, Teneriffe, bgs.	lb.	.38 -	.39
Cocoa butter,[1] bulk, ship't pt.	lb.	.25 -	—
Cocillana bark, bgs.	lb.	.42 -	.43
Codeine, cns., 100 ozs.	oz.	11.70 -	—
Hydrochloride, cns., 100 ozs.	oz.	10.50 -	—
Phosphate, cns., 100 ozs.	oz.	9.00 -	—
Sulphate, cns., 100 ozs.	oz.	9.50 -	—
Codliver oil (see Oil, codliver).			
Cohosh root, black, bls.	lb.	.18 -	.20
blue, bls.	lb.	.21 -	.22
Colchicine, bots., cns.	oz.	No stocks	
Colchicum seed	lb.	No stocks	
Collodion, USP, dms.	lb.	.19½-	.20½
cns.	lb.	.23 -	.29⅛
flexible, USP, dms.	lb.	.21 -	.22
cns.	lb.	.25 -	.31
Colocynth pulp, bls.	lb.	.55 -	.60
Colombo root, bls.	lb.	.19 -	.20
Coltsfoot leaves, bgs.	lb.	.90 -	1.00
Condurango bark, bgs.	lb.	.12 -	.15
Copaiba balsam, Para, cns.	lb.	.47 -	.49
S. A., USP, cns.	lb.	.50 -	.52
Copper acetate, cupric, bbls., works.	lb.	.25¼-	—
smaller containers, wks.	lb.	.27 -	—
Carbonate,[6] 52-54%, bbls.	lb.	.19½-	.20½
Chloride,[6] anhyd., bbls.	lb.	.22½-	.23
crystals, bbls.	lb.	.14¾-	.17
Cyanide,[6] tech., bbls.	lb.	.34 -	.38
Iodide, bots.	lb.	5.15 -	5.19
Metal,[1,6] electrolytic	lb.	.12 -	.12¾
Naphthenate, 6%-8% Cu., 50-gal. dms.	lb.	.15 -	.17
Nitrate,[1] tech., cryst., bbls.	lb.	.19¼-	.20¼
Oleate, precip., bbls.	lb.	.22½-	.28½
Oxide,[6] black, bbls., works.	lb.	.19 -	.20
red, com'l, bbls.	lb.	.21 -	.24½
Oxychloride-sulphate,[6] bgs.	lb.	.17 -	.20
Resinate,[6] precip., 8.3% Cu., 125-lb. dms.	lb.	.15½-	.16
Sulphate,[1,6] 99%, cryst., bgs., c.l., works.	100 lbs.	5.00 -	—
7,200 to 36,000 lbs.	100 lbs.	5.15 -	—
2,700 to 7,200 lbs.	100 lbs.	5.25 -	—
700 to 2,700 lbs.	100 lbs.	5.50 -	—
monohydrated, bgs., in dms., 36,000-lb. lots, dlvd.	100 lbs.	10.20 -	—
l.c.l., same basis.	100 lbs.	10.95 -	—
Copperas, cryst., gran., bgs., c.l., works.	ton.	17.00 -	—
l.c.l., 25 bgs.	100 lbs.	1.35 -	—
1-4, works.	100 lbs.	2.00 -	—
bbls., c.l., works.	ton.	20.00 -	—
bulk, c.l., works.	ton.	14.00 -	—
Copra, Coast, ship't.	lb.	No prices	
Coriander[1] seed, Argentine, futures, bgs.	lb.	.12 -	.12½
Indian, bgs.	lb.	No stocks	
Morocco, bgs.	lb.	.15¾	Nom
Cornsilk, bls.	lb.	.24 -	.26
Corn sugar, tanners,[6] chipped, bgs., c.l., dlvd.	100 lbs.	3.905 -	—
slabs, bbls., c.l.	100 lbs.	3.825 -	—
Syrup, 42°, bbls., c.l.	100 lbs.	4.221 -	—
43°, bbls., c.l.	100 lbs.	4.271 -	—
Corrosive sublimate,[1,6] cryst., dms., 50 lbs. or more.	lb.	2.16 -	—
gran., powd., dms., 50 lbs. or more.	lb.	2.01 -	—
Cottonroot bark, bls.	lb.	.17 -	.18
Cottonseed hull ash, 32-36% potash, bgs., dlvd.	unit-ton.	1.00 -	—
Meal,[1] 41% protein, Memphis, c.l.	ton.	45.00 -	49.75
Coumarin,[1] cns., makers, primary distrib., 5 lbs. or more.	lb.	2.75 -	—
smaller lots.	lb.	2.90 -	3.10
Cramp bark, NF, bls.	lb.	.75 -	.80
Cream of tartar, USP, gran. or powd., bbls., 5,000 lbs. one ship't.	lb.	.37½-	—
smaller lots, bbls.	lb.	.38 -	—
kgs.	lb.	.38½-	—

SPOT DELIVERIES

INDIAN MAGNESITE

ALUMINUM OXIDE

CREAM OF TARTAR USP

LACTIC ACID 85% USP

MAGNESIUM OXIDE HEAVY CALCINED

DICALCIUM PHOSPHATE PURE FOOD

MENTHOL TECHNICAL

OTHER SPECIAL PRODUCTS

Distributors for THE RUFERT CHEMICAL COMPANY

NICKEL FORMATE • Also NICKEL CATALYST • NICKEL CARBONATE • NICKEL OXIDE, ETC.

GOLWYNE CHEMICALS CORPORATION

420 LEXINGTON AVENUE •• NEW YORK 17, N. Y. • PHONE LE 2-9740

Creosote carbonate, bots., cbys., lb. 2.10 - 2.39
Coaltar, oil,[3] crude, tanks, works..gal. .15½- —
refd., bbls., l.c.l., works.gal. .26 - —
tanks, works.....gal. .18 - .18½
solution, tanks, works.....gal. .141 - —
Wood, beech, bots., cbys....lb. .85 - 1.04
Hardwood, USP, bots.....lb. .60 - .77
Pine, dms.....gal. .28 - —
Cresol,[3,6] special resin grades, dms., c.l., works, frt. equald., lb. .09½- .10½
l.c.l., same basis.....lb. .10 - .11
tanks, same basis.....lb. .08¾- .09¾
USP, dms., c.l., works, freight equald..lb. .10¾- .11¾
l.c.l., same basis.....lb. .11¼- .11¾
tanks, same basis.....lb. .10 - .10½
Crotonaldehyde, 97%, 55 and 110 gals., l.c.l., works..lb. .15 - —
5 and 10-gal. dms., works..lb. .18 - —
Cryolite, nat.,[4] bgs., bbls., c.l., 100 lbs. 9.50 - —
smaller lots.....100 lbs.10.00 - —
synth.,[4] bgs., bbls., c.l., frt. alld. E. of Miss.R..lb. .08½- —
smaller lots, works.....lb. .09¼- —
Cube root, 5% rotenone, bbls., works..lb. .40 - —
4% rotenone, bbls., works..lb. .32 - —
Cubeb berries, XX, bgs.....lb. No stocks
powd., cs.....lb. No stocks
Culver's root, bls.....lb. .25 - .26
Cumin seed, Cyprus, bgs.....lb. No stocks
Indian, bgs.....lb. No stocks
Morocco, bgs.....lb. No stocks
Persian, bgs.....lb. No stocks
Cutch, bgs.....lb. No stocks
Cyanamide,[4] fertilizer mixing grade, guaranteed 21% N., pulv., bgs., Niagara Falls, Ont., contracts..unit-ton. 1.52½- —
20.6% N., gran., bulk, same basis..unit-ton. 1.62½- —
Cyclohexane, 98-100%, works..lb. .14 - .16
tech., dms., c.l., frt. alld. E..lb. .10½- —
l.c.l., frt. alld. E.....lb. .11 - —
tanks, frt. alld. E.....lb. .09½- —
Cyclohexane prices are 1c. per lb. higher, frt. allds., in Cal., Ore., Tex., and Wash.; 2c. higher in Ariz., Col., Ida., Kans., Mont., Neb., Nev., N. D., N. M., Okla., S. D., Utah, and Wyo.
Cyclohexanol, 98-100%, works.lb. .21 - .23
Cyclohexanone, 98-100%, wks..lb. .30 - .32
tech., dms., c.l., frt. alld. E., lb. .30 - —
l.c.l., frt. alld. E.....lb. .30½- —
tanks, frt. alld. E.....lb. .29 - —
Cyclohexanone prices are 1c. per lb. higher, frt. allds., in Cal., Ore., Tex., and Wash.; 2c. higher in Ariz., Col., Ida., Kans., Mont., Neb., Nev., N. D., N. M., Okla., S. D., Utah, and Wyo.
Cyclopropane, USP, cyls., dlvd., gal. .27 - —

D

Dandelion root, bls.....lb. .37 - .40
Decanol,[6] normal, tech., dms., dlvd..lb. .35 - —
Deertongue, bls.....lb. .42 - .48
Defluorinated phosphate,[1] paper bgs., works..ton.34.25 - —
Degras,[1] common, bbls.....lb. .10 - .12
neutral, less 2% ffa, bbls.....lb. .28 - .30
over 2% ffa, bbls.....lb. .28½- .28½
Damiana leaves, bls.....lb. .14 - .15
Derris root (same as Cube root).
Dextrin, British gum, bgs., c.l., 100 lbs. 5.29 - —
Chicago .....100 lbs. 4.93 - —
l.c.l. .....100 lbs. 5.39 - —
Chcago .....100 lbs. 5.03 - —
Corn, canary, bgs., c.l..100 lbs. 5.04 - —
Chicago .....100 lbs. 4.68 - —
l.c.l. .....100 lbs. 5.14 - —
Chicago .....100 lbs. 4.78 - —
Dextrin, corn, white, bgs., c.l. 100 lbs. 4.97 - —
Chicago .....100 lbs. 4.61 - —
l.c.l. .....100 lbs. 5.07 - —
Chicago .....100 lbs. 4.71 - —
Potato, bgs., c.l.....lb. .10 - —
l.c.l. .....lb. .10¼- .11¾
Diacetone (see Alcohol, diacetone).
Diacetyl, bots.....lb. 6.00 - 7.00
Diamyl ether (see Amyl ether).
Diamyl phthalate,[3] dms., c.l., dlvd..lb. .2170- .2200
l.c.l., dlvd.....lb. .2220- .2250
tanks, dlvd.....lb. .2070- .2100
Sulphide, l.c.l., dms., works.lb. .25 - —
Diamylamine, dms., c.l., wks..lb. .61 - —
l.c.l., works.....lb. .64 - —
Diamylphenol, 2:4, dms., c.l., works..lb. .18 - —
l.c.l. .....lb. .21 - —
Diatomaceous earth, dom., CP, bgs., c.l., Atlantic Coast.. lb. .07 - —
l.c.l., ex whse.....lb. .10 - .16
Diatomaceous, dom., nat., bgs., c.l., Pacific Coast..ton.22.00 -25.00
l.c.l., ex whse.....ton.45.00 - —
purified, bgs., c.l., Atlantic Coast..ton.55.00 -59.00
l.c.l., ex whse.....ton.85.00 -90.00
imported, Algerian, bgs., c.l., Atlantic Coast..ton. No prices
Mexican, white, bgs., c.l., Atlantic Coast..lb. .02 - .03
l.c.l. .....lb. .04 - .06
Dibutyl phthalate,[3] 5-gal. cns., works..lb. .2830- .2909
7-gal. cns., same basis..lb. .2830- .3109
dms., c.l., same basis....lb. .2080- .2359
l.c.l., same basis.....lb. .2130- .2409
tanks, same basis.....lb. .1980- .2259
Sebacate, dms., works.....lb. .51 - .58
Tartrate, dms.....lb. .92 - 1.02
Dibutylamine, dms., c.l., works., lb. .61 - —
l.c.l., works.....lb. .64 - —
Dichloroethyl ether,[6] purified, dms., c.l., works, frt. equaled with So. Charleston..lb. .16 - —
l.c.l., same basis.....lb. .17 - —
tanks, same basis.....lb. .15 - —
Diethanolamine,[6] dms., c.l., frt. alld. in E..lb. .23½- —
l.c.l., same basis.....lb. .24½- —
tanks, same basis.....lb. .22½- —
Diethyl carbonate, com'l, dms.lb. .25 - —
refd., 90%, dms.....lb. .30 - —
Oxalate, dms., c.l., dlvd.....lb. .30½- —
l.c.l., dlvd.....lb. .31 - —
Phthalate,[3] dms., c.l., dlvd..lb. .2025- .2120
l.c.l. .....lb. .2075- .2170
tanks .....lb. .1925- .2050
Sulphate, dms., c.l., works..lb. .15 - —
l.c.l., works.....lb. .14 - —
tanks .....lb. .12 - —
Diethylamine, dms., c.l., works.lb. .76 - —
l.c.l., works.....lb. .81 - —
Diethylaminoethanol,[6] l.c.l., dms., works, frt. alld. E. of Miss. R..lb. .75 - —
Diethylanilin, dms.....lb. .40 - —
Diethyleneglycol, dms., c.l., frt. alld. in E..lb. .14½- —
l.c.l., same basis.....lb. .15½- —
tanks, same basis.....lb. .13½- —
Monobutylether, dms., c.l., wks., lb. .22 - —
l.c.l., works.....lb. .23 - —
tanks, works.....lb. .21 - —
Monoethylether,[6] dms., c.l., works..lb. .15½- —
l.c.l., works.....lb. .16½- —
tanks, works.....lb. .14½- —
Digitalis leaves, dms.....lb. .60 - .65
Diglycol laurate, dms.....lb. .31 - .32
Oleate, light, bbls., c.l.....lb. .17 - —
Stearate, bbls., c.l.....lb. .22 - —
Di-isobutyl ketone, dms., works, lb. .19 - —
Dillseed, cleaned, bgs.....lb. No stocks
dewhiskered, bgs.....lb. .13½- .14
Dimethyl phthalate,[3] dms., c.l., dlvd..lb. .1875- —
l.c.l., dlvd.....lb. .1925- —
tanks, dlvd.....lb. .1775- —
Dimethylamine, dms., c.l.....lb. .85 - —
l.c.l., dlvd.....lb. .90 - —
Dimethylanilin, dms., c.l.....lb. .23 - —
l.c.l. .....lb. .24 - —
Dimethylethyl carbinol (see carbinol).
Dinitrobenzene, bbls., 80° min.lb. .19 - —
Dinitrochlorobenzene, dms.....lb. .14 - —
Dinitronaphthalene, kgs.....lb. .35 - .38
Dinitrophenol, bbls.....lb. .22 - —
Dinitrotoluene, dms.....lb. .18 - —
oily, dms.....lb. .05 - —
Diorthotoluoiguanidin,[3] dms., ton lots, dlvd..lb. .44 - —
smaller lots.....lb. .46 - .47
Dioxan, dms., c.l., frt. alld...lb. .20 - —
l.c.l., same basis.....lb. .21 - —
tanks, same basis.....lb. .19 - —
Dip oil (see Tar acid oil).
Dipentene,[1,5] dest. dist., dms., dlvd. E..gal. .55 - .56
tanks, dlvd. E.....gal. .45 - —
single dist., dms., dlvd. E..gal. .56 - .58
tanks, dlvd. E.....gal. .52 - —
Diphenyl,[6] bbls., c.l., works...lb. .15 - —
l.c.l., works.....lb. .16 - .20
Oxide, perfume grade, cns...lb. .48 - .50
dms. .....lb. .43 - .45
Diphenylamine,[6] bbls.....lb. .25 - —
Diphenylguanidin,[6] dms., tons.lb. .35 - —
smaller lots.....lb. .36 - .37
Divi-divi,[6] according to tanning content, bgs..ton.67.00 -68.00
Doggrass root, dom., cut, NF, bls..lb. .30 - .35
imp., bls.....lb. .52 - .55
Dogwood bark, Jamaica, bls..lb. .08 - .10
Dover's powder, USP, cns....lb. 2.75 Nom.
Dragon's blood, reeds, cs.....lb. .85 - .90
Dyes, coaltar (certified colors for foods, drugs and cosmetics)—
Blue, FD&C blue, No. 1, cns.lb.13.50 - —
FD&C blue, No. 1, cns....lb.13.50 - —
Green, FD&C green, No. 1, cns, lb.13.50 - —
FD&C green, No. 2, cns...lb.17.50 - —
FD&C green, No. 3, cns...lb.27.50 - —
Orange, FD&C orange, No. 1, cns..lb. 2.90 - —
FD&C orange, No. 2, cns..lb. 3.65 - —
Red, FD&C red, No. 1, cns..lb. 6.00 - —
FD&C red, No. 2, cns.....lb. 3.15 - —
FD&C red, No. 3, cns.....lb.17.50 - —
FD&C red, No. 4, cns.....lb. 5.75 - —
FD&C red, No. 32, cns....lb. 4.15 - —
Yellow, FD&C yellow, No. 1, cns..lb. 8.50 - —
FD&C yellow, No. 3, cns..lb. 2.65 - —
FD&C yellow, No. 4, cns..lb. 2.05 - —
FD&C yellow, No. 5, cns..lb. 3.15 - —
FD&C yellow, No. 6, cns..lb. 3.15 - —
Dyes, coaltar (certified colors for drugs and cosmetics)—
Black, D&C black, No. 1, cns., lb. 8.35 - —
Blue, D&C blue, No. 4, cns..lb.12.35 - —
Brown, D&C brown, No. 1, cns., lb.12.35 - —
Green, D&C green, No. 5, cns., lb.12.35 - —
D&C green, No. 6, cns.....lb.12.35 - —
Orange, D&C orange, No. 3, cns..lb. 8.35 - —
D&C orange, No. 4, cns....lb.15.35 - —
D&C orange, No. 10, cns...lb.15.35 - —
Red, D&C red, No. 8, cns...lb. 2.35 - —
D&C red, No. 17, cns.....lb. 8.35 - —
D&C red, No. 18, cns.....lb.15.35 - —
D&C red, No. 19, cns.....lb.15.35 - —
D&C red, No. 22, cns.....lb. 8.35 - —
D&C red, No. 33, cns.....lb.13.35 - —
D&C red, No. 37, cns.....lb.12.35 - —
Yellow, D&C yellow, No. 7, cns..lb. 8.35 - —
D&C yellow, No. 8, cns....lb. 8.35 - —
D&C yellow, No. 11, cns...lb.10.35 - —
Dyes, coaltar (certified colors for external use, drugs and cosmetics)—
Blue, Ext. D&C blue, No. 1, cns..lb.12.35 - —
Green, Ext. D&C green, No. 1, cns..lb.12.35 - —
Red, Ext. D&C red, No. 1, cns., lb.10.35 - —
Ext. D&C red, No. 3, cns..lb.21.35 - —
Ext. D&C red, No. 8, cns..lb. 7.35 - —
Ext. D&C red, No. 10, cns.lb.12.35 - —
Ext. D&C red, No. 13, cns.lb.12.35 - —
Yellow, Ext. D&C yellow, No. 1 cns..lb. 8.35 - —
Dyes, coaltar, for general uses[5] (numbers are those of Colour Index scale)—
36 Chrome yellow, 2G....lb. .65 - .70
40 Chrome yellow R.....lb. .50 - 1.00
53 Victoria violet.....lb. .80 - 1.00
165 Lake red C.....lb. .70 - .80
170 Fast red A[6].....lb. .56 - .60
180 Fast red VR.....lb. 1.50 - 1.60
189 Lake red R, paste...lb. .85 - .90
189 Lake red R, powd....lb. 3.00 - 3.10
202 Chrome blue black U.lb. .35 - .42
204 Chrome black A.....lb. .42 - .45
208 Fast red blue R.....lb. .75 - 2.00
216 Chrome red B.....lb. 1.75 - 2.00
262 Cloth red 2B.....lb. .60 - .80
289 Fast cyanin 5R.....lb. .90 - 1.00
299 Chrome black F.....lb. .85 - .88
304 Paper yellow.....lb. .83 - .90
307 Fast cyanin black B.lb. .80 - .85
326 Direct fast scarlet...lb. 2.00 - 2.25
365 Chyrophenin G.....lb. .58 - .70

now freely available

at CALCO . . .

MENADIONE

the important synthetic Vitamin K analogue

USES OF MENADIONE

OBSTRUCTIVE JAUNDICE

MENADIONE has proved to have an extraordinary protective effect against the bleeding states of obstructive jaundice.

NEONATAL HEMORRHAGE

MENADIONE is a specific prophylactic against hemorrhage of the newborn infant, which is now known to be a type of vitamin K deficiency.

HEPATIC DISEASE

The bleeding state associated with primary liver disease is controlled, in part, by MENADIONE.

INTESTINAL DISEASES

Bleeding states, which exist in connection with certain intestinal diseases characterized by either a loss of continuity of the intestinal tract or by a disturbance of its absorptive surface, are affected in a specific manner by MENADIONE.

ADMINISTRATION AND PHARMACEUTICAL APPLICATION

MENADIONE may be administered parenterally, orally (with or without bile salts), or by inunction. It may be combined in tablets, capsules, ampuls, oil or aqueous solutions, and ointments.

MENADIONE (2-methyl-1,4-naphthoquinone) is the most potent of the synthetic VITAMIN K preparations known at the present time.

MENADIONE possesses all the physiologic properties of natural vitamin K. Over the thick, viscous liquid of natural vitamin K, however, MENADIONE has two outstanding and important advantages: (1) MENADIONE is a solid, crystalline substance much easier to handle than a liquid substance. (2) MENADIONE is economical to use, costing considerably less than vitamin K in its natural form.

Pharmaceutical Department
CALCO CHEMICAL DIVISION
AMERICAN CYANAMID COMPANY
BOUND BROOK — Calco — NEW JERSEY

ARMY E NAVY

Dyes, coaltar, for general uses[5] (numbers are those of Colour Index scale)†—

382	Direct scarlet B	lb.	1.15	- 1.20
387	Direct violet B	lb.	1.00	- 1.30
394	Direct violet N	lb.	.80	- .85
401	Developed black BHN	lb.	.45	- .60
406	Direct blue 2B	lb.	.66	- .70
415	Direct orange B	lb.	.60	- .70
419	Direct fast red F	lb.	.70	- .73
420	Direct brown M	lb.	.55	- .57
448	Benzo purpurin 4B	lb.	.65	- .68
495	Benzo purpurin 10B	lb.	.40	- .50
502	Direct azcrin G	lb.	.75	- .80
512	Direct blue RD	lb.	.80	- 1.00
518	Direct pure blue 6B	lb.	1.20	- 1.30
520	Direct pure blue	lb.	.50	- 1.00
529	Direct fast black FF	lb.	.55	- 1.00
581	Direct black EW	lb.	.50	- .54
582	Direct black RX	lb.	.35	- .45
592	Direct green B	lb.	.50	- .55
594	Direct green G	lb.	.50	- .55
596	Direct brown 3GO	lb.	.85	- 1.00
620	Direct yellow R	lb.	1.25	- 1.50
698	Acid violet	lb.	1.00	- 3.00
812	Primulin	lb.	.70	- .73
814	Direct fast yellow	lb.	2.00	- 2.25
845	Nigrosin (water soluble)	lb.	.35	- .50
1177	Indigo, 20% paste	lb.	.15	- .18
	Benzo fast black L	lb.	.90	- 1.00
	Sulphur black	lb.	.20	- .25
	Sulphur blue	lb.	.45	- 1.00
	Sulphur brown	lb.	.25	- .50
	Sulphur maroon	lb.	.40	- —
	Sulphur tan	lb.	.30	- .50
	Sulphur olive	lb.	.25	- .54
	Sulphur yellow	lb.	.30	- .50
	Zambesi black	lb.	.75	- .80

Black—

865	Nigrosin derivatives	lb.	.36	- .44

Blue—

7075	Alizarin astral base	lb.	15.00	- —
1078	Alizarin cyanin, green base	lb.	6.00	- —

Brown—

	Brown	lb.	1.15	- —

Green—

1078	Alizarin cyanin green	lb.	5.00	- —
	Green	lb.	.75	- —

Orange—

24	Sudan I	lb.	.75	- —
	Red shade	lb.	.75	- —

Red—

75	Sudan II	lb.	1.05	- —
258	Sudan IV	lb.	.85	- —
680	Oil violet	lb.	.50	- —
749	Rhodamine B (oil pink)	lb.	2.50	- —
1080	Anthraquinone,[6] violet base	lb.	6.00	- —

Yellow—

15	Amidoazobenzene yellow	lb.	.90	- —
17	Amidoazotoluene yellow,	lb.	.75	- —
61	Yellow OB	lb.	1.40	- 2.00

Dyes, coaltar, for stains, spirit-soluble (prices in barrels of 250 lbs. each; lots of 25 lbs. to a barrel, 3c. per lb. higher, f.o.b. sellers' works or warehouse).

Black—

246	Naphthol blue black S	lb.	.50	- —
729	Victoria blue B	lb.	1.85	- —
861	Indulin	lb.	.87	- —
873	Methylene gray	lb.	1.50	- —
909	New blue P	lb.	1.20	- —
922	Methylene blue	lb.	1.00	- —
1054	Alizarin saphirol B	lb.	1.90	- —
1180	Indigotin IA	lb.	.85	- —

Blue—

714	Patent blue A	lb.	1.05	- 1.10

Brown—

231	Bismarck brown G	lb.	.47	- .62
234	Resorcin brown Y	lb.	.65	- —
235	Resorcin dark brown R,	lb.	.66	- —
332	Bismarck brown R	lb.	.47	- .62
793	Phosphin	lb.	4.65	- —

Green—

5	Naphthol green B	lb.	1.00	- —
657	Malachite green	lb.	1.35	- —
662	Brilliant green	lb.	2.00	- —
666	Guinea green B	lb.	1.15	- —
737	Wool green S	lb.	.88	- —
924	Methylene green B	lb.	1.55	- —
1078	Alizarin cyanin green	lb.	2.00	- —

Orange—[4]

10	Chrysoidin G	lb.	.44	- —
21	Chrysoidin R	lb.	.41	- —
27	Orange G	lb.	.50	- —
31	Amidonaphthol red G	lb.	.42	- —
37	Amidonaphthol red 6B,	lb.	.68	- —
151	Orange Y	lb.	.31	- .33
161	Orange R	lb.	.34	- —

Red—

79	Ponceau R	lb.	.48	- —
88	Fast red B	lb.	1.05	- —
176	Fast red A[6]	lb.	.54	- —
179	Azorubin	lb.	.60	- —
183	Crocein scarlet 3BX	lb.	.72	- .75
185	Cochineal red A	lb.	.60	- —
252	Brilliant crocein M	lb.	.68	- —
677	Fuchsin	lb.	2.10	- —
749	Rhodamine B	lb.	3.50	- —
752	Rhodamine 6B	lb.	4.50	- —
768	Eosin G	lb.	1.50	- —
841	Safranin	lb.	1.45	- —

Violet—

680	Methyl violet B	lb.	.70	- .75
681	Crystal violet B	lb.	1.75	- —
695	Acid violet 4BN	lb.	.88	- —

Yellow—

10	Naphthol yellow S	lb.	.88	- —
138	Metanil yellow	lb.	.56	- .58
636	Fast light yellow	lb.	1.25	- —
639	Xylene light yellow	lb.	1.15	- —
640	Tartrazin	lb.	.80	- —
655	Auramine	lb.	1.27	- —

Dyes, coaltar, for stains, water-soluble (prices E. in barrels of 250 lbs. each; lots of 25 lbs. to a barrel, 3c. per lb. higher, f.o.b. sellers' works or warehouse).

Black—

864	Nigrosin	lb.	.36	- .44

Blue—

860	Indulin	lb.	.60	- .70

Brown—

331	Bismarck brown	lb.	1.50	- —

Green—

637	Malachite green base	lb.	2.00	- —

Orange—

20	Chrysoidin G	lb.	.95	- —
21	Chrysoidin R	lb.	.96	- —

Red—

677	Fuchsin, magenta, base,	lb.	7.25	- —
749	Rhodamine R	lb.	4.75	- —

Yellow—

67	Amidoazotoluene yellow,	lb.	.75	- —
655	Auramine	lb.	2.00	- —
800	Chinolin yellow SS	lb.	2.00	- —

Violet—

680	Methyl violet base	lb.	.85	- —

Dyes, natural (see name of article).

E

Echinacea root, bls		lb.	.80	- .85
Egg[1] albumen (see Albumen).				
Yolk, dried, dom., bbls		lb.	1.12	- 1.15
	imported	lb.	No stocks	
Elder flowers, bright, bls		lb.	.58	- .59
Elecampane root, bls		lb.	No stocks	
Elm bark, grinding, bls		lb.	No stocks	
	powd., bbls., bxs	lb.	No stocks	
	select, bndls	lb.	.55	- .60
Emetine[3] hydrochloride, bots.		oz.	21.00	-33.00
Ephedra, bls		lb.	.21	- .22
Ephedrine, natural, USP, anhydrous, bots.		oz.	1.15	- 1.65
	Hydrochloride or sulphate, tins.	oz.	.95	- 1.45
	synthetic, USP, anhyd., bots., 100 ozs.	oz.	.61	- —
	Hydrochloride, tins, 100 ozs. or more	oz.	.50	- —
	Hydrous, bots., 100-oz. lots	oz.	.58	- —
	Sulphate, cryst., tins, 100 ozs. or more	oz.	.48	- —
Epinephrine, synth., USP, bots.		gram	.73	- —
Epsom salt, tech., bgs.		100 lbs.	1.80	- —
	bbls.	100 lbs.	1.90	- —
	USP, cryst., bgs., c.l.	100 lbs.	2.00	- —
	l.c.l., 5,000 lbs., 1 withdrawal	100 lbs.	2.25	- —
	smaller lots	100 lbs.	2.50	- —
	bbls., c.l.	100 lbs.	2.10	- —
	l.c.l., 5,000 lbs., 1 withdrawal	100 lbs.	2.35	- —
	smaller lots	100 lbs.	2.60	- —
	kgs., c.l.	100 lbs.	2.35	- —
	l.c.l., 5,000 lbs., 1 withdrawal	100 lbs.	2.60	- —
	smaller lots	100 lbs.	2.85	- —
	dried, bgs., l.c.l.	lb.	.08	- .09

Epsom salt prices are freight equalized with Balto., Carteret, N. J.; Chicago, Cincinnati, Cleveland, Houston, New Orleans New York.

Ergot, USP, dms		lb.	1.30	- 1.40
Eserine, bots		oz.	No prices	
Sulphate, 1-gram vials		vial	2.10	- —
Ether, acetic (see Ethyl acetate).				
Amyl (see Amyl ether).				
Butyl, l.c.l., dms., divd		lb.	.30	- —
Ethyl[6] (see Ether, sulphuric).				
Ether, nitrous, conc., bot., 100 lbs.		lb.	.93	- 1.10
Sulphuric,[6] conc., dms		lb.	.11	- .16
USP anesthesia, hospitals, 1-lb. cns.		lb.	.60	- .61
Synthetic, dms., c.l., works		lb.	.14½	- —
l.c.l., works		lb.	.15½	- —
tanks		lb.	.12½	- —
Ethyl acetate,[2,6] 85-90%, dms., c.l., frt. alld.		lb.	.1170	-.1275
l.c.l., frt. alld.		lb.	.1220	-.1325
tanks, frt. alld.		lb.	.1070	-.1175
95-98%, dms., c.l., frt. alld.,		lb.	.1225	-.1335
l.c.l., frt. alld.		lb.	.1275	-.1385
tanks, frt. alld.		lb.	.1125	-.1235
NF, dms		lb.	.14½	- .15½
Acetoacetate, dms., c.l., works,		lb.	.37½	- —
l.c.l., frt. alld.		lb.	.38	- —
Benzoate, bots		lb.	.90	- 1.00
Bromide, tech., dms		lb.	.50	- .55
Carbamate, dms., divd. E		lb.	.58	- —
Chloride, tech., dms		lb.	.18	- .20
USP, bbls., cyl		lb.	.20	- .22
Cinnamate, cns		lb.	3.25	- 3.35
Formate, dms., f.o.b. Agnue, Calif.		lb.	.26	- .32
Iodide, bots		lb.	3.50	- 3.60
Lactate, dms., works		lb.	.33½	- .39½
Myristate, dms., works		lb.	.55	- —
Oenanthate, dms		lb.	1.50	- 1.75
Oleate, dms., l.c.l., works		lb.	.47	- —
Oxalate, dms., frt. alld.		lb.	.33	- —
Silicate, l.c.l., dms., works		lb.	.77	- —
Ethylcellulose,[6] standard, pkgs., 5,000 lbs. or more, works		lb.	.50	- —
smaller lots, same basis		lb.	.52	- .60
Ethyldiethanolamine, dms., l.c.l., works		lb.	.80	- —
Ethylene dichloride,[6] dms., c.l., works, E. of Rockies, frt. alld.		lb.	.0842	- —
West of Rockies, same basis		lb.	.0891	- —
Ethylene dichloride, dms., l.c.l., works, E. of Rockies, same basis		lb.	.0891	- —
West of Rockies, same basis		lb.	.0941	- —
tanks, E. of Rockies, same basis		lb.	.0743	- —
West of Rockies, same basis		lb.	.0792	- —
Trichloride (see Trichloroethane).				
Ethyleneglycol,[2,6] dms., c.l., frt. alld. in E.		lb.	.10	- —
l.c.l., same basis		lb.	.11	- —
tanks, same basis		lb.	.09	- —
Monobutylether,[6] dms., c.l., works		lb.	.17½	- —
l.c.l., works		lb.	.18½	- —
tanks, works		lb.	.16½	- —
Monoethylether,[6] dms., c.l., wks.		lb.	.15½	- —
l.c.l., works		lb.	.16½	- —
tanks, works		lb.	.14½	- —
Monoethylether acetate, dms., c.l., works		lb.	.13½	- —
l.c.l., dms		lb.	.14½	- —
tanks, works		lb.	.12½	- —
Monomethylether,[6] dms., c.l., works		lb.	.16½	- —
l.c.l., works		lb.	.17½	- —
tanks, works		lb.	.15½	- —
Ethylethanolamine, dms., c.l., works		lb.	.57	- —
l.c.l., works		lb.	.60	- —
Ethylidinanilin, dms		lb.	.45	- .47½
Ethylmonoethanolamine, l.c.l., dms., works		lb.	.80	- —
Ethylmorphine, hydrochloride, bots.		oz.	10.50	-10.75
Ethylvanillin,[1] cns., makers, primary distrib., 5 lbs. or more,		lb.	5.25	- —
smaller lots		lb.	5.30	- 5.40
Eucalyptol, cns., dms		lb.	2.75	- 3.00
Eucalyptus leaves, bls		lb.	.10	- .18
Eugenol, cns., dms		lb.	2.65	- 3.25
Euphorbia, bls		lb.	.12	- .13

GAIR BY AIR
SAVES WEIGHT—SAVES SPACE
SAVES PACKAGING COSTS
To the land of the Totem Poles — flying time's from dawn to dusk. Because weight is a first consideration Gair containers and corrugated boxes play a vital part in overland and overseas shipping now and for the future. Gair by Air means maximum cargo at minimum tonnage. Write for bookler "Air Cargoes."
GAIR
For large users—booklet on the Palletized Load, illustrated with official photographs.
SAVE WASTE PAPER FOR WAR PRODUCTION
ROBERT GAIR COMPANY, INC., NEW YORK • GAIR COMPANY CANADA LIMITED, TORONTO
Folding Cartons • Box Boards • Fibre and Corrugated Shipping Containers

OPD—2-19-1945 16

INSIDE NEWS

FEBRUARY PREPARED BY NATIONAL CAN CORPORATION, NEW YORK, N. Y. 1945

Tin Cans Are Vital on Fighting Fronts

The war reduced the number of metal containers on store shelves, but products that necessarily require can protection are still packaged in tin.

The armed forces, of course, have priorities on cans and are using almost unlimited quantities to carry food, medicine, weapons and ammunition. Even as early as the Napoleonic invasion of Russia cans were used by the armies. Food — then, as now — was preserved and transported in sealed containers.

Today, American fighting forces are the best fed in the world — thanks to the can. For, the can protects like no other container. The can is easily handled and transported, is standing up under varied conditions of climate and combat encountered in a global war. Food in them may be hermetically sealed, protected against spoilage, loss of flavor or food value and against any contamination by dirt, germs or tampering. Cans don't shatter, are air-and-light-tight, nonporous, nonflammable, and may be soaked, heated or chilled without disintegrating.

Cans that formerly contained civilian products now carry fluorescent paint, a part of lifeboat equipment. When the contents are thrown overboard, a giant splotch of color — yellowish green in daytime and shining brightly at night — spreads hundreds of feet around the boat, a marker for searching planes. Even at 8,000 feet a plane can see this brilliant signal of distress.

Some types of cans now hold colored signal cartridges and projectors used on the battle fronts to signal enemy positions. Other types are carrying ammunition that must be protected from air, moisture, dirt and rough handling up to the moment it is put in the guns.

And still other cans are booby-trap cans filled with explosives. Two wires run from the inside to hidden trip wires which explode the mine on contact. Such mines cripple enemy tanks by wrecking their treads.

When conditions become impossible for setting up field kitchens, soldiers carry their day's food supply — field rations — in compact cans. As a matter of fact, almost all of the food supplied our expeditionary forces is shipped in cans. All meat, poultry, fish, tomatoes, citrus fruits and soups are canned. Almost all of the leafy green and yellow vegetables and other vegetables, excluding potatoes, are canned. A little more than three-quarters of the fruits other than citrus, and 85% of milk and milk products are canned.

And when the can contents are used up, Yank ingenuity transforms the "empty" into a "desert sand stove" — a .gallon food can filled halfway with sand saturated with gasoline. The upper half is punctured to let gases escape. This stove will burn consistently, produce considerable heat, and is not detectable from the air.

We at home can take a lesson from this. We can use empty cans for salvaging vitally needed waste fats, returning to manufacturers when requested, and contributing to the tin salvage drive. 869

Cottonseed Will Help

Amino acids are getting more attention than vitamins these days. They are what brought soybeans their current popularity, both industrially and nutritionally. Cottonseed meal also has a good supply, which is why cottonseed meal has been used for animal feeding. Now, by taking out part of the fat and properly preparing the meal, a cottonseed flour is being produced which is claimed to be wholesome and palatable for human use.

This is important, because it means that there is another source of protein food in the districts which have most need of it because they depend largely on cereals, particularly corn, for food. The protein of cottonseed flour is made up of goodly proportions of the essential amino acids missing in the other cereals. And it is about 50 per cent protein, so that 5 per cent of cottonseed flour mixed with wheat flour will give a mixture with 16 per cent more protein than the wheat flour had alone. And finally, the cottonseed protein is easily digestible, according to those who are working with it. 870

Hens Hatch More Eggs

Information is now available to indicate that a mixture of cereal grasses with condensed milk or condensed buttermilk, when fed as a supplement to laying hens increases egg hatchability. The increase is 1.38 to 4.45 per cent above the basal ration. 871

A More Durable Wood

Wood, impregnated with arsenic compounds by a new Swedish process, is said to have three times the durability of untreated wood. 872

Rubber Vulcanizing Agents

Rubber vulcanizing agents, lead and zinc salts of thiuram polysulfides, are obtained by dissolving thiuram polysulfide in an aqueous solution of lead or zinc salt. 873

Sticky Starches

The glutinous starches, developed from the so-called waxy maize and sorghums, are well adapted for many uses in foods and in adhesives. They give clear, viscous solutions when heated with water, with the further advantage for many food uses that these solutions are tasteless in themselves and, therefore, will not spoil the flavor of food products to which they are added.

Incorrect processing conditions, such as a too acid steep water, will destroy the particular characteristics of these special starches. Too drastic grinding will fracture the granules and result in starch pastes with less viscosity than that of an ordinary low-viscosity starch. Scientists at one of the governmental laboratories have worked out methods to avoid both these dangers. As soon as the crops are available the special starches can be processed to take the place of tapioca starch or for the development of new products, both foods and adhesives, for which their unique properties will provide a foundation. 874

Olive Oil Substitute

Investigation of uses of expressed apricot kernel oil by the Council for Scientific & Industrial Research, Australia, suggests this oil as a suitable substitute for olive oil in the canning of fish. 875

Improving on Nature

Near Atchison, Kansas, a natural cave with 15 acres of floor space, has been converted into a Government cold storage food warehouse. In addition to lighting and transportation facilities, even an electric eye door has been installed. 876

Canada Will Can Apples

Solid-pack apples were reaching a considerable volume of business in Canada before the war, mostly in gallon tins, and it is planned to offer them on the market there in home-size cans as a postwar product.

The Canadian method is to pare, core and trim the fruit by hand, then soak in brine for 12 hours, drain, partially cook by steam on a wire mesh belt, drain and fill into cans. Quick cooking and quick cooling of the cans are important to quality. 877

Papayas Canned

Papaya is a very promising source of vitamin C and provitamin A, with both flavor and texture to recommend it as an addition to northern diets. The fruit is grown in Florida, Texas and California.

One interesting suggestion is a pack made with cubed papaya in a 45 deg. Brix syrup made with grapefruit juice and sugar. Processing offers no difficulties and the product will maintain satisfactory quality for at least 6 months under storage temperatures up to 95 deg. F. 878

F

Feldspar, enamel, 100 mesh, bulk, c.l., works	ton.	14.00	-17.50
bgs., min. 2 tons	ton.	17.00	-20.50
glass, 20 mesh, bulk, c.l., works	ton.	9.75	-12.25
bgs., l.c.l., min. 2 tons	ton.	12.75	-16.25
pottery, bulk, c.l., works	ton.	17.00	-19.00
l.c.l., bgs., min. 2 tons	ton.	20.00	-22.00
Fennel seed, Argentine, bgs	lb.	No stocks	
Indian, bgs	lb.	.16½	Nom.
Fenugreek seed, domestic, bgs.	lb.	.20	- .20½
Indian, bgs	lb.	No stocks	
Morocco, bgs	lb.	No stocks	
Ferric sulphate, anhyd., bgs., c.l., works	ton.	35.00	- —
l.c.l., same basis	ton.	40.00	- —
Film scrap, colored, cs., 50 lbs. or over, works	lb.	.13½	- —
smaller lots, works	lb.	15	- —
water white, cs., 50 lbs. or over, works	lb.	.14½	- —
smaller lots, works	lb.	.17	- —
Fir, balsam, Canada, cns.	gal.	17.50	-17.75
Oregon, bbls.	gal.	2.35	- 2.50
Fishberries, bgs.	lb.	.23	- .24
Fishoils (see Oil, fishliver).			
Fishmeal,[1] grd., 60% protein, bgs., E. works	ton.	72.50	- —
65% protein, same basis	ton.	78.50	- —
Fishscrap, dried, 60% protein, bulk, East Coast	ton.	66.50	- —
Flake white, bbls.	lb.	.00	- —
kegs	lb.	.11	- —
Flaxseed, French type, black, bgs.	lb.	.62	- .64
Indian, blonde, bgs.	lb.	.11½	- .14
Fluorspar, No. 1, ground, 95-98% CaF_2, bulk c.l., mines, net	ton.	37.00	- —
washed gravel, 70% or more CaF_2, mines, net	ton.	33.00	- —
65%, mines, net	ton.	32.00	- —
60%, mines, net	ton.	31.00	- —
less than 60%, mines, net	ton.	30.00	- —
Formaldehyde,[1,3,6] bbls., c.l., works	lb.	.0520	- —
l.c.l., works	lb.	.0570	- —
dms., extra, c.l., works	lb.	.0460	- —
l.c.l., works	lb.	.0510	- —
tanks, works	lb.	.0320	- —
tanktrucks, dlvd. N.Y.C.	lb.	.0345	- —
Fringetree bark, bls.	lb.	.60	- .70
Fuller's earth, dom., powd., bgs., c.l., Fla., Ga. mines	ton.	8.50	-15.00
Tex. mines	ton.	12.50	- —
spent, bulk, Bayonne	ton.	3.00	- —
Chicago	ton.	4.00	- —
imp., bgs., c.l.	ton.	30.00	-40.00
Furfural,[6] ref., dms., c.l., works	lb.	.15½	- —
dms., cns., l.c.l., works	lb.	.18	- .25½
tech., dms., c.l., works	lb.	.13	- —
l.c.l., dms., cns.	lb.	.15½	- .20½
tanks, works	lb.	.09½	- —
Fusel oil, crude, dms., works.	gal.	.75	- —
refd., dms., dlvd.	lb.	.18½	- .19½
Fustic cryst., No. 1, bbls.	lb.	.32	- —
No. 2, bbls.	lb.	.30	- —
No. 3, bbls.	lb.	.28	- —
extract, No. 1, bbls.	lb.	.16	- —
No. 2, bbls.	lb.	.15	- —
No. 3, bbls.	lb.	.12½	- —

G

G salt, bbls.	lb.	.45	- —
Galangal root, bls.	lb.	.24	- .25
Gambier, cube, Singapore, cs.	lb.	No stocks	
extract, bbls.	lb.	No stocks	
Gasoline[1] at refinery, ex tax:— Arkansas, US motor, 70-74 octane, tanks	gal.	.05½	- —
Bayonne, 70-74 oct., tanks	gal.	09075	- —
Gulf Coast, US motor, 70-74 octane, tanks	gal.	.05⅝	- —
Group 3, 70-74 octane, tanks, natural	gal.	.05⅞	- —
natural, 26-70, tanks	gal.	.04¾	- .05
Oklahoma-Texas US motor, 70-74 octane, tanks	gal.	.05⅞	- .06
Pennsylvania, western, US motor, 70-74 octane, leaded, tanks	gal.	.07¾	- .0895
Gelatin, silver, label, ctns., dlvd.,	lb.	.90	- .97
export, cases	lb.	1.00	- —
Silver gelatin prices 5c. higher for deliveries in Ariz., Calif., Colo., Idaho, Mont., Nev., N. Mex., Ore., Tex., Utah, Wash. and Wyo.			
Geisemium, root, bls.	lb.	.19	- .20
Gentian, root, bls.	lb.	.41	- .42
grd., bbls., bxs.	lb.	.46	- .47
powd., bbls., bxs.	lb.	.47	- .48
Geraniol, 92-96%, cns., dms.	lb.	No prices	
Ginger,[1] African, No. 1, bls.	lb.	No stocks	
Calicut, bgs.	lb.	.24	- .25
Cochin, bleached, bgs.	lb.	.27	- .27½
unbleached, bgs.	lb.	.23½	- .24
Jamaica, No. 1, bgs.	lb.	.24½	- .25
No. 2, bgs.	lb.	.23¾	- .24¼
No. 3, bgs.	lb.	.23½	- .24
Ginseng root, wild, South, cs.	lb.	8.00	- 9.00
Glaubers salt, anhyd. (see Soda sulphate).			
cryst., bgs., bbls., c.l., works, 100 lbs.		1.05	- 1.25
l.c.l., 5 tons up, works, 100 lbs.		1.15	- 1.35
less than 5 tons, works, 100 lbs.		1.25	- 1.45
Glue, bone,[6] producers', calcium type, 24 millipoise, 36 jelly-grams, bgs., c.l., East of Midwest	lb.	.16	- —
30/58, bgs., c.l., same basis	lb.	.15½	- —
58/82, bgs., c.l., same basis	lb.	.17	- —
82/108, bgs., c.l., same basis	lb.	.18½	- —
Producers' bone glue l.c.l. prices 1c. over c.l.			
Hide, producers,[1,6] 100-121 (jelly test in grams), bgs., c.l., dlvd.	lb.	.14	- .21½
122-149, bgs., c.l., dlvd.	lb.	.15	- .22½
150-177, bgs., c.l., dlvd.	lb.	.16	- .23½
178-206, bgs., c.l., dlvd.	lb.	.17	- .24½
207-236, bgs., c.l., dlvd.	lb.	.18	- .25½
237-266, bgs., c.l., dlvd.	lb.	.19	- .26½
267-298, bgs., c.l., dlvd.	lb.	.20	- .27½
299-330, bgs., c.l., dlvd.	lb.	.21	- .28½
331-362, bgs., c.l., dlvd.	lb.	.22	- .29½
363-394, bgs., c.l., dlvd.	lb.	.23	- .30½
395-427, bgs., c.l., dlvd.	lb.	.24	- .31½
428-460, bgs., c.l., dlvd.	lb.	.25	- .32½
461-494, bgs., c.l., dlvd.	lb.	.26	- .33½
495-529, bgs., c.l., dlvd.	lb.	.27	- .34½
Hide glue l.c.l. prices 1c. over c.l.; bbls., ½c. over bgs.			

NATIONAL CAN

PLANTS: NEW YORK • BOSTON • BALTIMORE • CHICAGO • HAMILTON, OHIO • FORT WAYNE, INDIANA

Super Bacteria-Killing Soap

Incorporation in toilet soap of 2 per cent of dihydroxyhexachloro diphenyl methane produces a soap which has such an effect on the bacterial flora of the human skin that resident bacteria are decidedly and permanently reduced in number. An individual using this soap regularly will have a lower bacterial count after two minutes of washing than an individual who washes for twenty minutes with ordinary toilet soap. Regular use of this medicated soap should do much to shorten pre-operative scrub-up procedure for surgeons and to eliminate the use of irritating germicides. For the general public, and particularly for wartime use by soldiers, regular use should reduce the probability of infection following skin abrasions and superficial wounds. 879

Extracting Fat from Dried Milk Powder

A satisfactory method for extracting fat from dried milk powder has been developed and is employed before making analyses on vitamin content. In recent tests, it was determined that there was a decrease of from 5 to 10 per cent in Vitamin A and carotene after a six month storage period at a temperature of 20 deg. C. An additional 3 to 5 per cent loss resulted from storing at 37 deg. C. Samples held at the lower temperature showed practically no loss of riboflavin and only slight losses at the higher temperature. The material tested was dried whole milk powder, packaged in nitrogen and stored at 20, 30 and 37 deg. C. to determine the effect of temperature and time of storage on vitamin content. 880

Canned Cheese

Vacuum canned cheese made with the usual starters frequently produces sufficient gas after canning to be at atmospheric temperature when ripe, and it is not uncommon for the pressure developed during ripening to be high enough to bulge the ends of the cans. Addition of *Lactobacillus bulgaricus* as a starter results in less gas. The flavor of the cheese is no longer that of a typical cheddar, but is described as being clean, sweet and acceptable to many people. The mature cheese made with this starter withstands storage at 55 to 65 deg. F. for as much as 50 days.

Work is being continued. It is to be hoped that we will soon have canned cheese that looks like cheese, tastes like cheese and keeps indefinitely. 881

Lubricating Composition

The addition of certain metal salts to petroleum oil provides a lubricating composition which overcomes the deterioration or degradation common to ordinary lubricants when subjected for long periods of time to high temperatures and pressure in the presence of metals, air or oxygen, or hydrocarbon partial combustion products. 882

Technical Topics

SOLVENT REMOVES TOXIC SUBSTANCES—An odorless household fly spray, less likely to produce rashes or hay fever symptoms, has been developed by three chemists in the Bureau of Entomology & Plant Quarantine. By a new method, nitromelhane can be used to produce practically pure pyrethrus from the impure petroleum extract of pyrethrum flowers. This new solvent takes out the toxic substances, but leaves the irritating impurities in the petroleum solvent. 883

PRESERVES EGGS — Eggs, treated soon after laying by dipping into light paraffin oil, vis 50-60 Saybolt, containing 0.25% pentachlorophenol at 70°F, keep without change for six months at 31°F and 92 –5% humidity. 884

SNAIL CATCHER — Metaldehyde in bran or orange pulp attracts snails and paralyzes them on contact. When exposed to sun they are killed by loss of moisture. 885

COFFEE USED AS EXTRACT — Coffee can be used to extract not only caffeine fat, and tannin, but a low-cost lubricating oil, useful for motor cars and airplanes and different kinds of phenol and hydrogen. Methods have been devised by a Swedish inventor. 886

VERSATILE SOLVENT — Propylene glycol is a versatile solvent that is receiving attention from many food technologists. It has the advantage of acting not only as a vehicle for flavors, but is claimed to have valuable properties as a moistening agent and as a preservative. One of its recently disclosed applications is in the preservation of shredded coconut. 887

CANNED AND CURED — Lactose is the sweetening agent to use in canned cured meats to avoid acid and gas formation, according to well known meat technologists whose work has just resulted in a patent on a curing method using this sugar. 888

NEW WOOD GLUE — Phenol resin is one of the new "synthetic" glues that has found numerous uses in the wood manufacturing industry. Odd shaped lumber can be laminated together with this waterproof resin making the construction stronger than solid wood of the same dimension and very much less subject to splitting and checking. As opposed to plywood, the term "lamination" generally refers to the taking of solid wood and gluing it with all plies running in the same direction. 889

DENATURANT — Racemic menthol as a denaturant for specially denatured alcohol in place of the U.S.P. material has been approved by the Treasury Department in certain formulas, following data and samples submitted to the Department. 890

PARIS GREEN — The loss of sodium sulphate as waste in the production of paris green is avoided in a new Russian process employing copper oxide, arsenic trioxide, and acetic acid (in excess). Laboratory and pilot-plant operations have given 1,000 parts of dry paris green from 326 to 329 parts of copper oxide, 602 to 614 parts of arsenic trioxide, and 132 to 137 parts of acetic acid. 891

SODIUM SULPHITE IMPROVES MASHED POTATO POWDER — The addition of sodium sulphite to the mash before drying, in the manufacture of mashed potato powder, improves the color of the product and decreases the loss of ascorbic acid during drying. It also increases storage life. The addition of calcium chloride to the mash has a marked effect in reducing cell damage. 892

PETROLATUM — Petrolatum penetrates the skin better when mixed with water. The addition of woolfat or cholesterol makes it possible to incorporate far more than the 10 per cent of water which can be got into plain petrolatum. The addition of 2 parts of woolfat to 98 parts of petrolatum brings the water percentage up to 60; adding 4 per cent of cholesterol makes it easy to add well over 200 per cent of water. The technique is to beat the water into the cooling melted petrolatum. 893

MOTHPROOFING PROTEINACEOUS FIBERS — Mothproofing of raw furs and other proteinaceous fibers is successfully reported with a saturated solution of sodium chloride (liquor ratio 25:1) containing 1 per cent of formaldehyde and hydrochloric or sulphuric acid. The best results are obtained at a pH of nearly 0.5. 894

Every effort will be made to furnish additional information on these articles. Where such information is not obtainable, we will refer inquiries to the original source of the article. Write to National Can Corporation, 110 East 42nd Street, New York City. Please mention the number at end of article—also name of the magazine you saw it in.

NATIONAL CAN CORPORATION

Manufacturers of

SANITARY PACKERS CANS • PLAIN AND LITHOGRAPHED CANS FOR FOODS, DRUGS, OILS, PAINTS, VARNISHES • STEEL DRUMS AND PAILS

Deliveries Subject to Priority Ratings

(*Advertisement*)

Glycerin, crude, saponification, 88%, to refiners, tanks	lb.	.11¼- —
soaplye, 80%, tanks	lb.	.10 - —
dynamite, dms., c.l.	lb.	.14½- —
l.c.l.	lb.	.15 - —
tanks	lb.	.14¼- —
high gravity, dms., c.l.	lb.	.14½- —
l.c.l.	lb.	.15 - —
tanks	lb.	.14¼- —
ref., USP, CP, 95%, dms., c.l.	lb.	.15½- —
l.c.l.	lb.	.15¾- —
tanks	lb.	.15 - —
B.P., 98%, dms., c.l.	lb.	.15¾- —
l.c.l.	lb.	.16¼- —
tanks	lb.	.15½- —
yellow, distilled, dms., c.l.	lb.	.14⅝- —
l.c.l.	lb.	.14⅞- —
tanks	lb.	.14¼- —
Glycine, USP, bbls., tins	lb.	1.25 - 1.30
Glycol boriborate, dms.	lb.	.22 - —
Stearate, dms.	lb.	.26 - —
Gold of pleasure seed, bgs.	lb.	No stocks
Gold chloride, acid-brown, bots.	oz.	20.75 -21.00
acid-yellow, bots.	oz.	18.75 -19.00
Gold-soda chloride, photo., bots.	oz.	13.00 - —
USP IX, bots.	oz.	14.50 -14.75
Goldenseal, root, bls.	lb.	7.70 - 8.00
powd., bxs.	lb.	7.95 - 8.25
Grains of Paradise, bgs.	lb.	.28 - .30
Graphite, conc., dom., crystalline, 80% through 50 mesh, carbon content, 65-70%, bgs., whse., basis	lb.	.04½- —
70-75%, bgs., same basis	lb.	.05 - —
Graphite, conc., dom., crystalline, 75-80%, bgs., same basis	lb.	.05½- —
80-85%, bgs., same basis	lb.	.06 - —
85-90%, bgs., same basis	lb.	.07 - —
90% and up, same basis	lb.	.08 - —
Grease,[1,5] house, loose	lb.	.08¼- —
white, choice, loose	lb.	.08⅝- —
Wool (see Adeps lanae and Degras).		
Green, brilliant,[1] thioflavin toner, tungstic, kgs., works	lb.	3.75 - —
molybdic, same basis	lb.	3.25 - —
Chrome,[1,6] CP, dark, light, medium blue content up to 5%, bbls., dlvd. N. of Tenn. and N. C., E. of Miss. River, including St. Paul, Minneapolis, Davenport, Rock Island, St. Louis	lb.	.23 - —
11-15%, bbls., same basis	lb.	.25 - —
20%, bbls., same basis	lb.	.25½- —
21-25%, bbls., same basis	lb.	.26 - —
26-30%, bbls., same basis	lb.	.26½- —
31-35%, bbls., same basis	lb.	.27½- —
36-40%, bbls., same basis	lb.	.29 - —
41-45%, bbls., same basis	lb.	.30½- —
46-50%, bbls., same basis	lb.	.33 - —
reduced color, 5%, bbls., same basis	lb.	.06¾- —
9-10%, bbls., same basis	lb.	.07½- —
11-13%, bbls., same basis	lb.	.08 - —
14-16%, bbls., same basis	lb.	.08¼- —
17-19%, bbls., same basis	lb.	.08½- —
20-21%, bbls., same basis	lb.	.08¾- —
22-23%, bbls., same basis	lb.	.09 - —
24-25%, bbls., same basis	lb.	.09¼- —
Green, chrome, reduced, 26-27%, bbls., same basis	lb.	.09½- —
28-29%, bbls., same basis	lb.	.10 - —
30-31%, bbls., same basis	lb.	.10½- —
32-33%, bbls., same basis	lb.	.12 - —
34-35%, bbls., same basis	lb.	.13 - —
36-40%, bbls., same basis	lb.	.14 - —
41-45%, bbls., same basis	lb.	.17 - —
46-50%, bbls., same basis	lb.	.17½- —
51-55%, bbls., same basis	lb.	.18 - —
56-60%, bbls., same basis	lb.	.18½- —
61-65%, bbls., same basis	lb.	.19 - —
70%, bbls., same basis	lb.	.20 - —
71-75%, bbls., same basis	lb.	.21 - —
Green, chrome, prices are ½c. higher dlvd. Ala., Fla., Ga., La. (Shreveport, 1½c.), Miss., N. C., S. C., Tenn., Texas (Dallas, Ft. Worth, 1¼c.; El Paso, 2c.), Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph, 1.6c. higher dlvd. Pac. Coast; for Denver, Pueblo, Salt Lake City and Wichita, prices are equalized with Chicago.		
Chrome oxide,[6] pure, dms., works	lb.	.24 - —
Malachite[1] thioflavin toner, tungstic, bbls., works	lb.	3.50 - —
molybdic, bbls., works	lb.	3.00 - —
Phthalocyanin,[1] green toner, bbls., works	lb.	4.00 - 5.00
tetrahydroxide, bbls.	lb.	.85 - —
Paris (see P).		
Tungstated, brilliant, kgs.	lb.	3.00 - —
emerald, kgs.	lb.	2.60 - —
Verdigris (see V).		
Green dyes (see Dyes, green).		
Grindelia robusta, bls.	lb.	.18 - .19
Guaiac resin, cs.	lb.	.48 - .49
Wood, bls.	lb.	.05 - .06
Guaiacol, carbonate, fib. dms.	lb.	2.40 - 2.74
liquid, dms.	lb.	1.75 - 2.01
Guanidin carbonate,[1] bbls., c.l., works	lb.	.57 - —
smaller lots	lb.	.58 - .73½
Guarana, powd., cs.	lb.	2.00 - 2.10
Gum accroides (see Gum, yacca).		
Aloe (see A).		
Ammoniac, tears, cs.	lb.	1.20 - 1.26
Arabic, amber, sorts, bgs.	lb.	.12½- .13
white, sorts, 1, bgs.	lb.	.28 - .30
Asafetida (see A).		
Asphaltum (see A).		
Benzoin, Siam, cs.	lb.	3.00 - 3.50
Sumatra, cs.	lb.	.52 - 1.00
Camphor (see C).		
Copal, Congo, sorted, No. 30, bgs., c.l., ex dock or port, whse.	lb.	.55¾- —
31, bgs., same basis	lb.	.21½- —
32, bgs., same basis	lb.	.15¾- —
33, bgs., same basis	lb.	.14 - —
34, bgs., same basis	lb.	.09¼- —
35, bgs., same basis	lb.	.15⅞- —
36, bgs., same basis	lb.	.12⅝- —
37, bgs., same basis	lb.	.18½- —
38, bgs., same basis	lb.	.12¼- —
39, bgs., same basis	lb.	.10⅝- —
40, bgs., same basis	lb.	.08 - —
41, bgs., same basis	lb.	.11⅝- —
unsorted, No. 1, bgs., same basis	lb.	.14⅜- —
2, bgs., c.l., same basis	lb.	.12⅝- —
3, bgs., c.l., same basis	lb.	.11¼- —
FAD, bgs., c.l., same basis	lb.	.14⅜- —

Prices for l.c.l., ¼c. to ½c. higher than c.l.
East India,[1] batu, bold, scraped.

Gum, copal, East India, bgs., c.l., same basis..lb. .10¼- —
unscraped, same basis.lb. .09 - —
chips, same basis....lb. .12 - —
dust, same basis....lb. .06½- —
nubs and chips, same basis..lb. .05¾- —
black, bold, scraped, bgs., ex dock or port, whse..lb. .12 - —
unscraped .....lb. .07½- —
nubs and chips, same basis..lb. .07¼- —
pale, Hiroe-Macassar,[1] bold, bgs., c.l., same basis..lb. .17⅝- —
chips, same basis....lb. .11½- —
dust, same basis....lb. .05½- —
nubs, same basis....lb. .13⅜- —
Singapore, Rasak, bold, bgs., same basis..lb. .23¾- —
chips, same basis....lb. .11¾- —
dust, same basis....lb. .05½- —
nubs, same basis....lb. .16⅜- —
Macassar,[1] dust, bgs., c.l., same basis..lb. .07⅝- —
MA, same basis.....lb. .09¾- —
MB, same basis.....lb. .09¼- —
WS, bgs., same basis....lb. .11⅞- —
Manila, Boeas,[1] hard, bold, amber, light, bskts, c.l., same basis..lb. .13½- —
dark, light, same basis.lb. .14½- —
white, same basis.....lb. .15½- —
lobe,[1] A, bgs., c.l., same basis..lb. .14 - —
B, same basis.....lb. .13⅝- —
C, same basis.....lb. .13⅜- —
CBB, same basis.....lb. .12 - —
CNE, same basis.....lb. .10 - —
D, same basis.....lb. .12⅝- —
DBB, same basis.....lb. .11 - —
DK, same basis.....lb. .09½- —
DU, same basis.....lb. .08⅝- —
dust, same basis.....lb. .07⅝- —
MB, same basis.....lb. .09¼- —
WS, same basis.....lb. .11⅝- —

Gum, copal, Manila-Singapore,[1] white split chips, bgs., c.l., same basis..lb. .15½- —
dust, same basis.....lb. .07⅝- —
whse., entry point., c.l., lb. .08⅝- —
Philippine,[1] Manila, extra bold, pale, scraped, bskts., same basis..lb. .15 - —
sorts, same basis.....lb. .12⅝- —
pale chips, bold, same basis, lb. .13 - —
nubs, WCB, same basis..lb. .13⅜- —
seeds, dust, same basis...lb. .08⅜- —
SG, same basis.....lb. .10½- —
small chips, same basis..lb. .11⅜- —
Pontianak, bold, scraped, bgs., c.l., same basis..lb. .23⅜- —
mixed, same basis.....lb. .17⅜- —
chips, small, same basis..lb. .12⅜- —
cuttings of split, same basis, lb. .19½- —
nubs, same basis.....lb. .18 - —
Gum copal, l.c.l., prices ¼c. to ½c. higher
Dammar,[1] Batavia, A, cs., c.l., same basis..lb. .35¾- —
A/C, same basis.....lb. .31¼- —
A/D, same basis.....lb. .28⅝- —
A/E, same basis.....lb. .25⅝- —
B, same basis.....lb. .31⅜- —
C, same basis.....lb. .28⅝- —
D, same basis.....lb. .25⅝- —
E, same basis.....lb. .18⅜- —
F, same basis.....lb. .13⅜- —
dust, same basis.....lb. .13⅜- —
Singapore,[1] No. 1, cs., c.l. lb. .30⅝- —
2, bgs., same basis.....lb. .25 - —
No. 1, 3 bgs., same basis.lb. .12⅜- —
chips, cs., same basis....lb. .23½- —
dust, bgs., same basis....lb. .13 - —
seeds, cs., same basis....lb. .17⅜- —
Gum, dammar, l.c.l., prices, ¼c. to ½c. higher.

Gum, elemi,[1] cns., c.l., ex dock or port whse. entry port. lb. .09½- .09¾
Ester, gum rosin type,[1] dms., c.l., dlvd., Ill., Ind., Ky., Mich., Mid.-Atl. States, N. England States, Minneapolis, N. C., Ohio, St. Louis, St. Paul, Va., W. Va..lb. .11½- —
other points, dlvd.....lb. .12 - —
l.c.l., dlvd. Ill., Ind., etc., lb. .11¾- —
other points, dlvd.....lb. .12½- —
Euphorbium, cs.....lb. 1.50 Nom.
Galbanum, cs.....lb. 1.60 - 1.65
Gamboge, pipe, cs.....lb. No stocks
powd., bbls.....lb. No stocks
Ghatti, bgs.....lb. .25 - .40
Guaiac (see Guaiac resin).
Karaya, bbls., bxs., dms....lb. .15 - .46
Kauri,[1] brown, chips, extra, bgs., c.l., ex dock, whse..lb. .18 - —
80%, same basis.....lb. .16 - —
dust, same basis.....lb. .12½- —
nubs, same basis.....lb. .24 - —
No. 1, extra, same basis...lb. .34 - —
superior, same basis.....lb. .31 - —
No. 2, extra, same basis...lb. .30 - —
superior, same basis.....lb. .27½- —
No. 3, same basis.....lb. .23 - —
x, same basis.....lb. .36 - —
2x, same basis.....lb. .49 - —
3x, same basis.....lb. .77 - —
bush, assorted, same basis.lb. .35 - —
bold, same basis.....lb. .40 - —
bright, same basis.....lb. .18 - —
chips, same basis.....lb. .32 - —
dark, same basis.....lb. .18 - —
white, chips, pale, same basis. lb. .20¾- —
extra, same basis.....lb. .25½- —
dust, pale, same basis....lb. .20¾- —
extra, No. 1, same basis..lb. .43 - —
No. 2, same basis.....lb. .31 - —
No. 3, same basis.....lb. .30 - —

Gum, kauri, white, superior, No. 1, same basis..lb. .41 - —
No. 2, same basis.....lb. .31 - —
No. 3, same basis.....lb. .22 - —
3x, same basis.....lb. .65¾- —
4x, same basis.....lb. .66 - —
5x, same basis.....lb. 1.50 - —
Gum kauri, l.c.l., prices are ¼c. to ½c. higher.
Locust bean, powd., bbls....lb. .30 - .65
Mastic, cs.....lb. 5.00 Nom.
Myrrh, cs.....lb. .50 - .60
Olibanum, siftings, cs.....lb. .11½- .13
tears, cs.....lb. .18 - .30
Opium (see O).
Red (see Gum, Yacca).
Rosin (see R).
Sandarac,[1] cs.....lb. .99½- —
Scammony, cs.....lb. 1.30 - 1.35
Talha, bgs.....lb. .10 - .11
Tragacanth, No. 1, cs.....lb. 4.50 - 5.00
No. 2, cs.....lb. 4.00 - 4.50
No. 3, cs.....lb. 2.75 - 3.00
Yacca,[1] red gum, coarse, bgs., ex dock, whse..lb. .06 - —
powdered .....lb. .07¼- —
Gypsum, Keene's cement, paper bgs., c.l., f.o.b. Acme, Tex., frt. equald..ton.22.65 - —
Harlem River, N. Y., frt. equald..ton.28.25 - —
Medicine Lodge, Kan., frt. equald..ton.17.00 - —
New Brighton, N. Y., frt. equald..ton.28.25 - —
Southard, Oklahoma, frt. equald..ton.17.00 - —
Sweetwater, Texas, frt. equald..ton.21.45 - —
Plaster of paris, paper bags, c.l., f.o.b. Blue Rapids, Kans., frt. equald..ton.12.50 - —
Acme, Tex., frt. equald..ton.12.50 - —
Harlem River, N. Y., frt. equald..ton.13.00 - —
Medicine Lodge, Kansas, frt. equald..ton.12.50 - —
New Brighton, N. Y., frt. equald..ton.13.00 - —
Southard, Oklahoma, frt. equald..ton.12.50 - —
Sweetwater, Texas, frt. equald..ton.12.50 - —
Stucco, paper bgs., c.l., f.o.b. Acme, Texas; Akron, N. Y.; Blue Rapids, Kan.; Clarence Center, N. Y.; Fort Dodge, Ia.; Grand Rapids, Mich.; Gypsum, Ohio; Harlem River, N. Y.; National City, Mich.; New Brighton, N. Y.; Plasterco, Ga.; Portsmouth, N. H.; Roton, Texas; Southard, Okla.; Sweetwater, Texas; frt. equald..ton. 8.00 - —
Saltville, Va.....ton. 9.00 - —
Terra alba, paper bgs., c.l., Harlem River, N. Y..ton.12.00 - —
New Brighton, N. Y.; Southard, Okla..ton.12.00 - —

H

Hawthorn berries, bgs.....lb. .57 - .60
Heliotropin, cryst., cns.....lb. No prices
Hellebore, white, powd., bbls..lb. .46 - .47
Helonias root, bls.....lb. 2.50 - 2.55
Hematine, cryst., bbls., No. 1..lb. .34 - —
No. 2.....lb. .30 - —
No. 3.....lb. .28 - —
No. 4.....lb. .26 - —
No. 5.....lb. .24 - —
paste, bbls., No. 1.....lb. .14½- —
No. 2.....lb. .13½- —
No. 3.....lb. .12½- —
Hemlock bark extract,[1,6] 25% tan, bbls., c.l., works..lb. No stocks
tanks, works.....lb. No stocks
Henbane leaves, bls.....lb. .80 - .90
Henna leaves, bls.....lb. .17 - .18
powd., bbls., bxs.....lb. .22 - .23
Heptane,[1] 56°-100° C., industrial grade, dms., c.l., Group 3. gal. .12½- —
l.c.l., Group 3.....gal. .19 - —
tankcars, Group 3.....gal. .10 - —
77°-115°, industrial, dms., c.l., Group 3..gal. .13 - —
l.c.l., Group 3.....gal. .19 - —
tankcars, Group 3.....gal. .10½- —
laboratory grade, dms., c.l., Group 3..gal. .16 - —
l.c.l., Group 3.....lb. .29 - —
10 gals., Group 3....gal. .55 - —
Hexaldehyde, normal, dms., c.l., works..lb. 1.10' - —
Hexalin (see Cyclohexanol).
Hexamethylenetetramine,[2,6] tech., bbls., 1,000-lb. lots, Perth Amboy or N.Y.C..lb. .24 - —
smaller lots.....lb. .25 - —
USP, dms., 500 lbs. or more, same basis..lb. .35 - —
smaller lots.....lb. .36 - —
Hexane,[1] 60°-70° C., industrial grades, dms., c.l., Group 3. gal. .13½- —
l.c.l., Group 3.....gal. .19 - —
tankcars, Group 3.....gal. .10½- .11
laboratory grade, dms., c.l., Group 3..gal. .18 - —
l.c.l., Group 3.....gal. .29 - —
10 gals., Group 3....gal. .55 - —
Hexanol, norm., dms., l.c.l., works..lb. .25 - —
Homatropine hydrobromide, bots. oz.15.00 -25.00
Hoofmeal, 17-18% ammon., bulk, Chicago..unit. 4.50 - 4.75
Hops, NF, bls.....lb. .56 - 1.50
Horehound, bls.....lb. .10½- .12
Hydrangea root, bls.....lb. No prices
Hydrastine, bots.....oz.20.00 - —
Hydrochloride, bots.....oz.20.00 - —
Sulphate, bots.....oz.29.00 - —
Hydrastinine, 10 grs., bots....bot. 1.95 - —
Hydrastics (see Goldenseal).
Hydrofuramide, dms., fib., cns., works..lb. .30 - .40
Hydrogen peroxide,[6] USP, bbls. lb. .03¾- .04
100 vols., cbys., E. of Miss. River, West Coast via Panama Canal..lb. .15½- .18½
Hydroquinone, bbls., dms.....lb. .90 - .94
Hydroxycitronellal, cns.....lb. 8.50 - 9.00
dms., extra, ret'able, dlvd...lb. 4.50 - —
Hyoscine hydrobromide, bots..oz.50.00 -70.00
Hyoscyamine, bots.....oz.16.00 -20.00
Hydrobromide, bots.....oz.16.00 -20.00
Sulphate, bots.....oz.16.00 -20.00
Hypernic, cryst., bbls., No. 1..lb. .42 - —
No. 2.....lb. .34 - —
extract, bbls., No. 1.....lb. .24 - —
No. 2.....lb. .16 - —

I

Isthammol, N. F., bots.....lb. 2.45 - —
Indian red (see Red, Indian).
Indigo, nat., chests.....lb. 2.14 - 2.30
synth., paste, bots.....lb. .16½- .19
powd., bbls.....lb. .74½- .85
Indol, CP, bots.....lb.23.00 -24.00
Insect flowers (see Pyrethrum).

LIQUID FORM (50% and 72-73% Solution) in TANK CARS

SOLID FORM in 700 lb. DRUMS

FLAKE FORM in 125 and 400 lb. DRUMS

CAUSTIC SODA

PENNSYLVANIA SALT MANUFACTURING COMPANY
Chemicals
1000 WIDENER BUILDING, PHILADELPHIA 7, PA.

NEW YORK • CHICAGO • ST. LOUIS • PITTSBURGH • CINCINNATI • MINNEAPOLIS • WYANDOTTE • TACOMA

SOME OF THE PRODUCTS MANUFACTURED BY PENN SALT: ACIDS, Sulphuric, Muriatic, Hydrofluoric, Hydrofluosilicic, Nitric • AMMONIA • ALUM, Sulfate of Alumina • HYDRATE OF ALUMINA • BLEACHING POWDER • AMMONIA, Anhydrous and Aqua • CARBON BISULPHIDE • CARBON TETRACHLORIDE • CAUSTIC SODA • CORROSION-RESISTING CEMENTS • LIQUID CHLORINE • FERRIC CHLORIDE • FLUORIDES AND FLUOSILICATES • HYDROGEN PEROXIDE • *KRYOLITH Flux and Opacifier • *KRYOCIDE Insecticide • *ORTHOSIL AND *PENNSALT METAL CLEANERS • SAL AMMONIAC • SODIUM ALUMINATE. *Trade-marks Reg. U. S. Pat. Off.

OPD—2-19-1945 19

1910 1945

35 YEARS OF SERVICE

in the DRUG, CHEMICAL and ALLIED PRODUCTS FIELD

IMPORT -:- EXPORT

35 Anos de Serviço
no Negocio de Drogas, Produtos Quimicos e Seus Derivados

Desde 1910 que tivemos sempre o mesmo proposito em mente: aumentar constantemente o nosso prestimo a todos os nossos amigos, proximos e distantes, dando-lhes serviços melhores e mais valiosos.

Estamos certos de que estes 35 anos mostram a prova de que conseguimos alcançar os nossos fins e de que ganhámos a confiança dos nossos numerosos fornecedores e clientes. Por esta razão consideramo-nos verdadeiramente gratos e asseguramos aos nossos amigos, aqui e no estrangeiro, que continuaremos a seguir sempre e com toda a fidelidade a nossa norma:

prestar sempre melhor serviço.

35 års tjeneste
i drogeri, kjemiske og allierte produksjonsfelter.

Siden 1910 har vi fulgt en idé — å öke i stigende grad vår nytte overfor våre venner, fjern og nær, ved alltid bedre og mere pålitelige tjenester.

Vi er av den oppfatning at disse 35 år bærer vidnesbyrd om at det har lykkes oss å leve opp til vårt mål og at vi har vunnet våre mange kunders og leverandörers tillit, både innenlandske og utenlandske. Vi er meget takknemlige for dette, og vi forsikrer våre venner, her og utenlands, at vi skal fortsette vår loyalitet mot dette prinsipp:

alltid å yte bedre tjenester.

35 années de service
dans le domaine des produits pharmaceutiques, chimiques et similaires

Depuis 1910, nous avons poursuivi un seul et unique but: nous rendre de plus en plus utiles à tous nos amis, ici et au loin, en leur assurant un service de plus en plus satisfaisant et sûr.

Nous sommes convaincus que ces 35 années de service prouvent de façon éclatante que nous avons réussi à suivre la voie que nous nous étions tracée, et que nous avons su gagner la confiance de nos nombreux clients et fournisseurs, ici et à l'étranger. Nous leur en sommes sincèrement reconnaissants, et nous assurons tous ces fidèles amis que nous continuerons à observer strictement le principe qui nous a sans cesse servi de guide:

Fournir un service toujours meilleur.

★ ★

Since 1910 we have followed one thought, pursued one idea, tried to bring one principle to life: to increase constantly our usefulness to our friends, far and near, by ever better and more reliable service.

We feel that these 35 years give testimony that we succeeded to live up to our aims, and that we gained the confidence of our many domestic and foreign customers and suppliers. For this we are truly grateful and we assure our friends, here and abroad, that we shall continue our loyalty to this principle of ours: *to give ever better service.*

★ ★

本公司在葯品，化學及同類產品方面服務歷有三十五年

自一九一〇年以來，本公司向守唯一意念，日益改進優良及可靠之服務，力求對我遠近友好之効用不斷增加。

本公司相信此過去之三十五年，可以明證本公司已達到所抱目標，而博得國內外顧客及辦庄之信用。以此本公司確爲感謝，並向海內外友好保証，此後自當繼續盡忠於敝公司之原則：

貢献日加改良之服務。

35 Anni di Servizio
nel campo delle Droghe, della Chimica e di Prodotti Analoghi

Fin dal 1910 abbiamo seguito un solo modo di pensare, di aumentare costantemente la nostra utilità verso i nostri amici, lontani e vicini, con servizio sempre migliore e sempre più fidato.

Crediamo che questi 35 anni siano testimonianza del successo delle nostre aspirazioni, e che abbiamo acquistata la fiducia dei numerosi clienti e fornitori domestici e stranieri. Per tutto ciò siamo oltremodo grati e desideriamo assicurare i nostri amici, qui e all'estero, che continueremo la nostra fedele adesione al principio che ci siamo prefisso:

di darvi un servizio sempre migliore.

35 שנים בשדה היצורים של סמי־רפואה, כימאים והדומים להם

מ־1910 ואילך כל מאמצינו היו מכוונים למטרה יחידה: — להרבות, באופן תדירי, את תועלתנו לטובת ידידינו, מרחוק ומקרוב, באמצעות שירות שאפשר לסמך עליה יותר ויותר.

יש לנו ההרגשה, ש־35 שנים אילו מעידות, שלא החטאנו את המטרה אליה שאפנו וכי רכשנו את אימונם של לקוחותינו ומספקינו, בארץ ומחוצה לה. תודתנו נתונה בעד זאת לכלם, ומבטיחים אנו לידידינו, פה ובחו"ל, שאנו נמשיך להיות נאמנים לעיקרון שלנו: —

להמציא שירות תמיד יותר ויותר משובחת.

35 Dienstjaren
Op het Gebied van Drogerijen, Chemicaliën en Aanverwante Artikelen.

Sedert het jaar 1910 hebben wij slechts één doel gehad, namelijk de belangen van onze vrienden, ongeacht of zij in onze nabijheid of ver weg gevestigd waren, steeds beter en meer betrouwbaar te behartigen en wij hebben dit doel nooit uit het oog verloren.

Wij zijn van meening dat deze 35 jaren het bewijs leveren dat wij aan dit ideaal hebben opgeleefd en dat wij het volste vertrouwen van onze binnenlandsche zoowel als buitenlandsche cliënten hebben verworven.

Wij zijn hiervoor ten zeerste dankbaar en verzekeren onze vrienden, hier en in het buitenland, dat wij ons ook in den toekomst zullen houden aan het principe:

Steeds betere bediening te geven.

35 Años de Servicio
en la Venta de Drogas, Productos Quimicos y Otros

Desde 1910 hemos tenido solamente la idea de aumentar constantemente nuestra ayuda a los amigos, cercanos y lejanos, dandoles mejores y mas valiosos servicios.

Nos sentimos seguros que estos 35 años son una prueba de nuestro exito, en conseguir nuestros propositos y de que nos hemos ganado la confianza de nuestros clientes y vendedores muy numerosos, tanto aqui como en el extrangero. Por este motivo estamos verdaderamente agradecidos y podemos asegurarles a nuestros amigos, tanto aqui como en los demás paises, que continuaremos fieles a nuestro lema:

Dar siempre el mejor servicio.

CHAS. L. HUISKING & CO., Inc.

155 Varick Street, New York 13, N. Y.

CHICAGO OFFICE: 561 E. ILLINOIS ST. **CABLE ADDRESS: HUISKING, NEW YORK**

LONDON AGENTS: WHEELER & HUISKING, Ltd., 26 Great Tower St., London, E. C. 3, England

P.D.

COD LIVER OIL U.S.P.
Finest Medicinal Grade Various Potencies
Prompt and later shipment

VITAMIN A AND D FEEDING OILS

VITAMIN CONCENTRATES

PEDER DEVOLD OIL CO., INC.
151 Varick Street, New York 13, N. Y.
Cable Address: VITAMINE, New York

SANTONIN
Meeting Requirements of all International Pharmacopoeias

ALKALOIDS OF AMERICAN MANUFACTURE

SANTONINE COMPANY OF AMERICA
155 Varick Street, New York 13, N. Y.
Cable Address: SANTONICUS, New York

Iodine, crude, 25-lb. jars	lb.	1.67	—
150-lb. kgs., net	lb.	1.28¾	—
resubl., 5-lb. bots., jars	lb.	2.00	2.10
Iodoform, 100-lb. dms., kgs	lb.	3.95	4.10
jars	lb.	4.20	—
Ipecac[6] root, bgs	lb.	No prices	
powd., bgs	lb.	No prices	
Irish moss, ordinary, bls	lb.	.26	.28
powd., 80-90 mesh, bbls.	lb.	.32	.33
prime bleached, bls	lb.	.35	.40
powd.	lb.	.40	.50
Iron acetate, liquor, bbls., c.l., dlvd.	lb.	.17	—
l.c.l., dlvd.	lb.	.18	—
solut., USP IX, 100-lb. cbys.	lb.	.17	—
50-lb. djns.	lb.	.18	—
Chloride (ferric), tech., anhydr., 390-lb. dms.	100 lbs.	4.65	6.25
150-lb. dms.	100 lbs.	5.00	6.00
cryst., bbls., works, frt. alld.	lb.	.03½	.04
kgs., works, frt. alld.	lb.	.04	.04½
USP X, cryst., lump, bbls.	lb.	.07½	—
dms.	lb.	.08½	—
solut., NF, cbys., works, frt. alld. or equald.	lb.	.06½	.07½
djns.	lb.	.10	—
Citrate, USP VIII, gran., dms.,	lb.	.70	.75
powd., cns.	lb.	.84	.87
Glycerophosphate, bbls., 1,000-lb. lots.	lb.	3.30	—
100-lb. lots	lb.	3.40	—
cns., 25 lbs.	lb.	3.52	—
Hypophosphite, bbls., dms.	lb.	1.50	1.52
Iodide, bots.	lb.	3.18	3.32
syrup, bots., cbys.	lb.	.39	.53
Naphthenate,[6] 6% Fe, 50-gal. dms.	lb.	.15	—
Nitrate, red, tech., dms.	lb.	.03½	.04
Oxalate, gran., dms.	lb.	.83	.85
powd., cns.	lb.	.52	—
kgs.	lb.	.47	.49
Oxide, black (see Black, iron oxide).			
Phosphate, soluble, NF, gran., cns.	lb.	.54	.57
Pyrophosphate, gran., cns.	lb.	.59	.62
Reduced, 90%, kgs.	lb.	.65	.75
Iron resinate,[1,6] 7.4% Fe, 100-lb. dms.	lb.	.17½	—
Sulphate, tech. (see Copperas and Ferric sulphate).			
USP, cryst., bbls., dms.	lb.	.05½	.11
Tallate, 4% Fe, 50-gal. dms.	lb.	.10¼	—
Iron-ammonia citrate, brown, green, gran., pearls, dms.	lb.	.33	.38
scales, dms.	lb.	.49	.52
Oxalate, bbls.	lb.	.23½	—
dms., kgs.	lb.	.25½	.26½
Iron-soda oxalate, bbls., dms.	lb.	.23½	.26½
Isobornyl acetate, cns., works.	lb.	.85	.90
Isobutyl acetate,[6] dms., works.	lb.	.0860	—
tanks, works	lb.	.0760	—
Propionate, dms., works	lb.	.102	—
Isoeugenol, cns., works	lb.	4.05	4.25
Isopentane, dms., works	lb.	.45	.55
Isophorone, dms., works	lb.	.25	—
Isopropanol (see Alcohol, isopropyl).			
Isopropyl acetate,[6] dms., c.l., E. of Rockies, frt. alld.	lb.	.11	—
l.c.l., E. of Rockies, frt. alld.	lb.	.11½	.12
tanks, E. of Rockies, frt. alld.	lb.	.10	—
Alcohol (see Alcohol).			
Ether, dms., c.l.	lb.	.06	—
l.c.l.	lb.	.06½	—
tanks	lb.	.04½	—
Isopropylamine, dms., works.	lb.	.35	—

J

Jaborandi leaves, bls.	lb.	.09	.10
Jalap root, NF, bls.	lb.	.37	.38
powd., bbls., bxs.	lb.	.44	.45
Resin, lump, cns.	lb.	5.85	—
powd., bxs.	lb.	5.90	—
Juniper berries, dom., bgs.	lb.	.75	.80

K

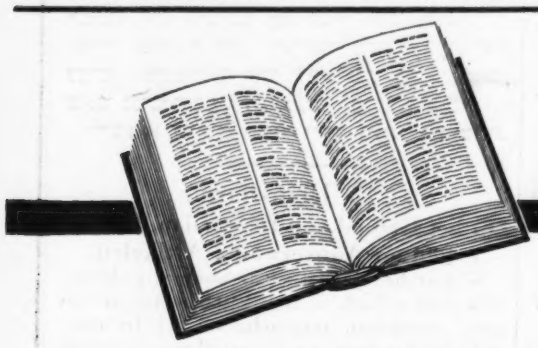
Kamala, tins	lb.	.40	.45
Kaolin (see China clay).			
Kava kava root, bls.	lb.	.23	.24
Kerosene, at refinery:—			
Ark., 41-44 w.w., bulk, tanks.	gal.	.04½	—
Bayonne, 41-43 w.w., tanks.	gal.	.071	—
Gulf ports, 41-43 w.w., bulk.	gal.	.04¼	—
Okla.-Tex., 41-43 w.w., tanks.	gal.	.04⅝	—
Penn., 45 w.w., tanks.	gal.	.065	.0755
46 w.w., tanks.	gal.	.0775	.0895
San Francisco, tanks.	gal.	.11½	—
Kola nuts, bgs.	lb.	.09	.10

L

Lady slipper root, bls.	lb.	1.40	1.55
Lanolin (see Adeps lanae).			
Lard,[1,6] pure, ref., trcs.	lb.	.152	2½ —
prime steam, trcs.	lb.	.144	8—
Larkspur seed, bgs.	lb.	3.25	3.50
Laurel berries, bls.	lb.	.25	.26
Laurel leaves, Cyprus, bls.	lb.	.25	.26
Greek, bls.	lb.	No stocks	
Portuguese, bls.	lb.	.17½	.19½
Turkish, bls.	lb.	.29	.30
Lavender flowers, medium, bls.	lb.	.80	—
ordinary, bls.	lb.	.45	.50
select, bls.	lb.	.90	.95
Lead,[1,6] (metal) (see paint market).			
Acetate,[1] white, broken, bbls.	lb.	.12½	—
cryst., bbls.	lb.	.12½	—
gran., powd., bbls.	lb.	.13¼	—
Arsenate,[1,6] basic, powder, 3-lb. bgs. or larger, c.l.	lb.	.11½	.12
l.c.l.	lb.	.12	.12½
1-lb. ctns., c.l.	lb.	.18½	.22½
l.c.l.	lb.	.19	.23
standard, powder, 3-lb. bgs. or larger, c.l.	lb.	.11	.11½
1-lb. bgs., c.l.	lb.	.16	.20
l.c.l.	lb.	.16½	.20½
1-lb. ctns., c.l.	lb.	.18	.22
l.c.l.	lb.	.18½	.23½
Lead, arsenate, standard, powd., ½-lb. ctns., c.l.	lb.	.21	.25
l.c.l.	lb.	.21½	.25½

Inside column is maximum OPA prices for manufacturers or distributors; outside column for all other purchasers. Lead arsenate prices are works or whse. basis, frt. alld. to dest. in lots of 96 lbs. or over; no frt. or truck allowance for works or whse. pick-ups.

Blue, basic sulphate, bbls., c.l., dlvd. E.	lb.	.07½	—
dlvd. Ariz., Cal., Col., Idaho, Mont., Nev., N. M., Ore., Utah, Wash., Wyo.	lb.	.07¾	—
l.c.l., dlvd. E.	lb.	.07¾	—
Ariz., Cal., Col., Idaho, Mont., Nev., N. M., Ore., Utah, Wash., Wyo.	lb.	.08	—
Carbonate (see Lead, white).			
Chloride, fib. dms.	lb.	.49	—
Iodide, NF V, powd., bots.	lb.	2.80	—
jars	lb.	2.69	—
Linoleate, pale, precip., bbls.	lb.	.22½	—
Metallic paste, works	lb.	.19¾	.21⅛
Naphthenate, 24%-30% Pb, 50-gal. dms.	lb.	.14¼	.17⅛
Nitrate, bbls.	lb.	.12½	—
Oleate, bbls.	lb.	.17¾	—
Peroxide, powd., tech., bbls.	lb.	.28	—
Red, 95% or less Pb_3O_4, bbls., c.l. (20 tons), dlvd. Ala., Ariz., Ark., Colo., Fla., Ga., Idaho, La., Miss., Mont., Nev., N. Mex., Okla., Tex., Utah, Wyo., and E. of Cascade Mts. in Ore. and Wash.	lb.	.09¼	—
other points	lb.	.09	—
l.c.l., 5 tons, dlvd. Ala., Ark., Cal., Fla., Ga., La., Miss., Okla., Tex., and W. Cascade Mts. in Ore. and Wash.	lb.	.09¾	—
Ariz., Idaho, Nev., Utah and E. of Cascade Mts. in Ore. and Wash.	lb.	.10¼	—
Colo., Mont., N. Mex., other points	lb.	.09½	—
smaller lots, Ala., etc.	lb.	.10¼	—
Ariz., etc.	lb.	.10¾	—
Colo., etc.	lb.	.10½	—
other points	lb.	.10	—
97% Pb_3O_4, bbls., c.l., dlvd. Ala., etc.	lb.	.09½	—
other points	lb.	.09¼	—
l.c.l., 5 tons, dlvd. Ala., etc.	lb.	.10	—
Ariz., etc.	lb.	.10½	—
Colo., etc.	lb.	.10½	—
other points	lb.	.09¾	—
smaller lots, dlvd. Ala.,	lb.	.10¾	—
Ariz., etc.	lb.	.11	—
Colo., etc.	lb.	.10¾	—
other points	lb.	.10¾	—
98% Pb_3O_4, bbls., c.l. (20 tons), dlvd. Ala., etc.	lb.	.09¾	—
other points	lb.	.09½	—
l.c.l., 5 tons, dlvd. Ala., etc.	lb.	.10¼	—
Ariz., etc.	lb.	.10¾	—
Colo., etc.	lb.	.10½	—
other points	lb.	.10	—
smaller lots, dlvd., Ala., etc.	lb.	.10½	—
Ariz., etc.	lb.	.11¼	—
Colo., etc.	lb.	.11	—
other points	lb.	.10½	—
in oil, 95% min., kgs.	lb.	.14	—
Resinate, precip.,[6] 23.3% Pb., 160-lb. dms.	lb.	.17½	—
Silicate, bgs.	lb.	.0730	.0780
Soyate, 26.16% Pb, 50-gal. dms.	lb.	.22¼	—
Stearate, bbls.	lb.	.31	.33
Sulphate (see Lead, white, basic sulphate).			
Tallate, 10% Pb., 60-gal. dms.,	lb.	.06¼	—
Titanate, bgs., bbls., c.l., works, frt. alld.	lb.	.11	—
l.c.l., 5 tons, one delivery, E., frt. alld.	lb.	.11¼	—
Pac. Cst., ex whse.	lb.	.11½	—
smaller lots, E. frt. alld.	lb.	.11½	—
Pac. Cst., ex whse.	lb.	.11¾	—
White, basic carbonate, dry, bbls., c.l., dlvd. Ariz., Calif., Colo., Idaho, Mont., Nev., N. Mex., Ore., Utah, Wash., and Wyo.	lb.	.08½	—
dlvd. other points.	lb.	.08¼	—
l.c.l., dlvd. Ariz., etc.	lb.	.08¾	—
other points	lb.	.08½	—
basic sulphate, dry, bbls., c.l., dlvd. Ariz., etc.	lb.	.07½	—
other points	lb.	.07¼	—
l.c.l., dlvd. Ariz., etc.	lb.	.08	—
other points	lb.	.07½	—
in oil, consumers, kgs.	lb.	.13¼	.13¾
dealers, 100-lb. kg.	lb.	.11¼	.11½
painters, 100-lb. kg.	lb.	.12¼	.12½
Lecithin, edible, dms., c.l.	lb.	.25¼	—
l.c.l.	lb.	.26½	.45
in cocoa butter, dms., c.l.	lb.	.39½	—
l.c.l.	lb.	.40¾	.59
pure vegetable, bots., 100-lb. lots.	lb.	2.75	—
tech., dms., c.l.	lb.	.25¼	—
l.c.l.	lb.	.26½	.45
Lemon peel, bls.	lb.	.30	.35
Licorice extract, mass, cns.	lb.	.25	.72
powd., bbls.	lb.	.60	.88
root, natural, Indian, bls.	lb.	.12	.14
powder, bbls.	lb.	.18	.20
Russian, bls.	lb.	.12	.13
Spanish, bls.	lb.	.12	.13
Turkish, bls.	lb.	.12	.13
Lignin extract, tanning grade, bgs., c.l., works.	lb.	.04	—
Lime, chemical (quicklime), lump or pebble, bulk, f.o.b.—			
Adams, Mass.	ton.	8.00	—
Annville, Pa.	ton.	7.50	—
Bellefonte, Pa.	ton.	7.50	—
Berkley, W. Va.	ton.	7.50	—
Carey, Ohio	ton.	7.00	—
Cedar Hollow, Pa.	ton.	8.50	—
Crab Orchard, Tenn.	ton.	6.25	—
Eagle Mountain, Va.	ton.	7.00	—
Farnams, Mass.	ton.	8.00	—
Gibsonburg, Ohio	ton.	7.00	—
Hannibal, Mo.	ton.	6.50	—
Keystone, Ala.	ton.	6.25	—
Knoxville, Tenn.	ton.	6.25	—
Limedale, Ark.	ton.	7.00	—
Longview, Ala.	ton.	6.25	—
Manistique, Mich.	ton.	8.00	—
Martinsburg, W. Va.	ton.	7.50	—
Menominee, Mich.	ton.	8.00	—
Mitchell, Ind.	ton.	6.50	—
Newala, Ala.	ton.	6.25	—
Rincon, Cal.	ton.	13.00	—
Riverton, Va.	ton.	7.00	—
Ripplemead, Va.	ton.	7.00	—
Rockland, Me.	ton.	8.00	—
San Francisco, Cal.	ton.	13.00	—
Scioto, Ohio	ton.	6.50	—
Springfield, Mo.	ton.	7.00	—
Woodville, Ohio	ton.	7.00	—
York, Pa.	ton.	7.50	—
Hydrated, paper bags, f.o.b. Adams, Mass.	ton.	9.00	—
Annville, Pa.	ton.	9.00	—
Bellefonte, Pa.	ton.	9.00	—
Berkley, W. Va.	ton.	9.00	—
Buffalo, N. Y.	ton.	10.00	—



Webster defines

"EXACT"

In Webster's dictionary we find this definition of the word "exact":

Habitually careful to agree with a standard, a rule, or a promise; accurate; methodical; punctual.

That word defines

Natural BICHROMATES

. . . exactly.

NATURAL PRODUCTS REFINING COMPANY

902 GARFIELD AVE., JERSEY CITY 5, N. J.

SOLE MFRS. SINCE 1908 BICHROMATE Natural OF SODA NATURAL PRODUCTS REFINING CO. JERSEY CITY, NEW JERSEY

Lime, hydrated, Carey, Ohio..ton. 8.50 - —
Cedar Hollow, Pa....ton.10.00 - —
Crab Orchard, Tenn..ton. 9.00 - —
Eagle Mountain, Va.ton. 8.50 - —
Farnams, Mass.....ton. 9.00 - —
Gibsonburg, Ohio....ton. 9.00 - —
Hannibal, Mo.....ton. 9.00 - —
Keystone, Ala.....ton. 9.00 - —
Knoxville, Tenn.....ton. 9.00 - —
Le Roy, Minn.....ton.10.00 - —
Lime Crest, N. J.....ton. 8.50 - —
Limedale, Ark.....ton. 9.00 - —
Manistique, Mich.....ton. 9.50 - —
Marblehead, Ohio....ton. 9.50 - —
Martinsburg, W. Va.ton. 9.00 - —
Mitchell, Ind.....ton. 9.00 - —
Newala, Ala.....ton. 9.00 - —
Potoskey, Mich.....ton. 9.00 - —
Port Island, Mich....ton. 9.00 - —
Rapid City, S. D.....ton.12.00 - —
Rippleмead, Va.....ton. 9.00 - —
Rockland, Me.....ton. 9.00 - —
San Francisco, Cal...ton.16.00 - —
Springfield, Mo.....ton. 9.00 - —
Woodville, Ohio.....ton. 9.00 - —
York, Pa.....ton. 9.00 - —

Lime, spray, paper bgs., f.o.b. Adams, Mass..ton.10.00 - —
Annville, Pa.....ton. 9.50 - —
Bellefonte, Pa.....ton. 9.50 - —
Carey, Ohio.....ton.11.00 - —
Farnams, Mass.....ton.10.00 - —
Gibsonburg, Ohio....ton.11.00 - —
Lime Crest, N. J.....ton. 9.00 - —
Marblehead, Ohio....ton.11.00 - —
Scioto, Ohio.....ton.10.00 - —
Woodville, Ohio.....ton.11.00 - —
York, Pa.....ton. 9.50 - —

Lime salts (see Calcium).

Lime-ammonia-nitrogen[6] 20.5% N. (See Ammonia, Nitrate, Limestone).

Linalool, cns.....lb. 7.25 - 8.00

Linalyl acetate, cns.....lb. 3.60 - 3.75

Linden flowers with leaves, bls..lb. .90 - 1.00

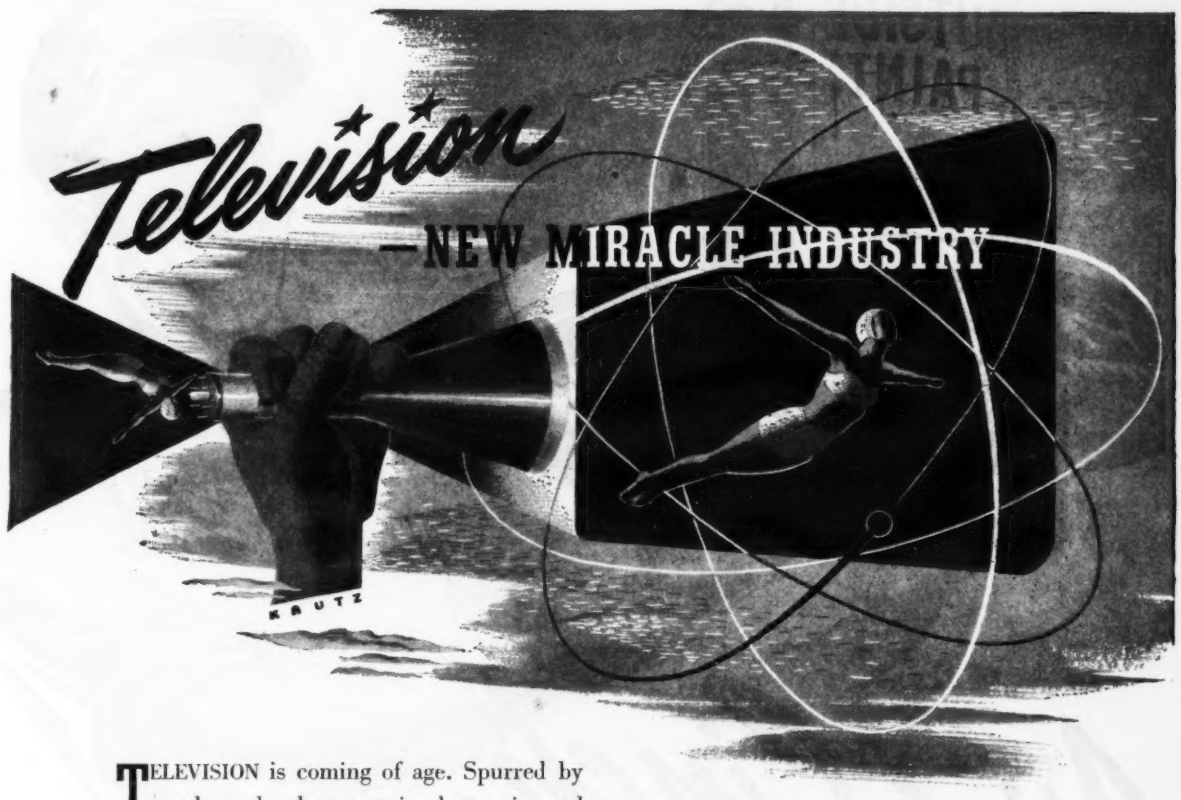
Linseed meal,[1] 34%, bulk, c.l..ton.45.00 - —
32%, bulk, c.l.....ton.43.00 - —

Litharge, com'l, powd., bbls., c.l., dlvd. Ala., Ariz., Ark., Colo., Fla., Ga., Idaho, La., Miss., Mont., Nev., N. Mex., Okla., Tex., Utah, Wyo. and E. of Cascade Mts. in Ore. and Wash..lb. .08¼- —
other points.....lb. .08 - —
l.c.l., 5 tons, dlvd. Ala., Ark., Cal., Fla., Ga., La., Miss., Okla., Tex., and W. of Cascade Mts. in Ore. and Wash. lb. .08¾- —
Ariz., Idaho, Nev., Utah and E. of Cascade Mts. in Ore. and Wash..lb. .09¼- —
Colo., Mont., N. Mex., Wyo..lb. .09 - —
Other points.....lb. .08½- —
smaller lots, dlvd. Ala., etc..lb. .09¼- —
Ariz., etc.....lb. .09¾- —
Colo., etc.....lb. .09½- —
Other points.....lb. .09 - —
Rockland, Me.....ton.10.00 - —

Lithium bromide, bbls., 100 lbs., works, frt. equald..lb. 1.90 - —
smaller lots, works.....lb. 1.92 - 1.95
Carbonate, NF, 250-lb. bbls., kgs..lb. 1.25 - 1.30
Chloride, jars.....lb. 1.65 - 1.70
Citrate, bbls., dms., kgs.....lb. 1.40 - 1.45
Fluoride, bbls.....lb. 2.45 - 2.60
Hydroxide, jars.....lb. 1.25 - 1.40
Iodide, 5-lb. bots.....lb. 5.20 - —
25-lb. jars.....lb. 5.05 - —
Stearate, fib. dms., 3 tons, works..lb. .50 - —
Lithopone,[1] ordinary, bgs. (20 tons)..lb. .04¼- —
smaller lots.....lb. .04½- —
bbls., c.l. (20 tons).....lb. .04½- —
smaller lots.....lb. .04¾- —
titanate,[6] (high-strength), bgs., c.l..lb. .0560- —
smaller lots.....lb. .0585- —
bbls., c.l.....lb. .0585- —
smaller lots.....lb. .0610- —
Lithopone, c.l., dlvd. Pac. Cst., ¼c. higher; l.c.l., ex whse. Pac. Cst., ½c. higher.
Liverwort leaves, bls.....lb. .85 - .90
Lobelia herb, bls.....lb. 1.00 - 1.05
Lobeline sulphate, bots., wks.oz.25.50 -38.00
Logwood, cryst., No. 1, bbls...lb. .28 - —
No. 2, bbls.....lb. .26 - —
extract, liquid, No. 1, bbls..lb. .14 - —
No. 2, bbls.....lb. .13 - —
No. 3, bbls.....lb. .12½- —
No. 4, bbls.....lb. .10 - —
solid, No. 1, bxs.....lb. .23½- —
No. 2, bxs.....lb. .21½- —
Lovage (ligusticum actae felium) root, dom., bls..lb. 1.20 - 1.50
Lupulin, NF, tins.....lb. 8.00 -10.00
Lycopodium, USP, cs.....lb. 2.75 - 3.00

M

Mace,[1] Amboyna, cs.....lb. .77 Nom.
Banda, cs.....lb. .98 Nom.
West Indian, bgs.....lb. .62 Nom.
No. 1, bgs.....lb. .60 Nom.
broken, bgs.....lb. .55 Nom.
Madder, Dutch, bbls.....lb. .24 - .30
Magnesia arsenate,[1,6] dms.....lb. .153 - .18
Calcined, tech., USP, bbls., works..lb. .26 - —
Carbonate, tech., Zone 1, c.l., bgs..lb. .06¼- —
bbls.....lb. .07½- —
kgs.....lb. .08¾- —
l.c.l., bgs.....lb. .07¼- —
bbls.....lb. .08½- —
kgs.....lb. .09¾- —
Zone 2, c.l., bgs.....lb. .06¼- —
bbls.....lb. .07½- —
kgs.....lb. .08¾- —
l.c.l., bgs.....lb. .07 - —
bbls.....lb. .08¼- —
kgs.....lb. .09½- —
USP, Zone 1, c.l., bgs.....lb. .08 - —
bbls.....lb. .08½- —
kgs.....lb. .09¾- —
l.c.l., bgs.....lb. .09 - —
bbls.....lb. .09½- —
kgs.....lb. .10¾- —
Zone 2, c.l., bgs.....lb. .08 - —
bbls.....lb. .08½- —
kgs.....lb. .09¾- —
l.c.l., bgs.....lb. .08¾- —
bbls.....lb. .09¼- —
kgs.....lb. .10½- —
Magnesia carbonate:—Zone 1—Conn., Del., D. of C., Md., Mass., N. J., N. Y., Pa. and R. I. Zone 2—Balance of U. S. Frt. alld. Phillipsburg, Plymouth Meeting and Valley Forge. Freight allowed on l.c.l. incl., dlvd. storedoor.
Chloride, anhyd., bbls., dlvd..lb. .12¾- —
flake, bbls., c.l., works...ton.32.00 - —
l.c.l., works.....ton.39.00 -42.00
Fluoride, bbls.....lb. .40 - .50
Hydroxide, med., bbls., dms., kgs..lb. .29 - .30
Hypophosphite, cns.....lb. 1.45 - —
Laurate, bbls.....lb. .33 - .35
Oxide (see Magnesia, calcined).
Magnesia peroxide, 15%, dms., works..lb. 1.00 - 1.35
Phosphate, tribasic, USP, bbls., lb. .60 - —
Silicate (see Talc).
Silicofluoride, bbls.....lb. .08 - .09
Stearate, bbls.....lb. .31 - .32
Sulphate (see Epsom salt).
Trisilicate, dms., 1,000-lb. contracts..lb. .37 - —
smaller lots, dms.....lb. .42 - —
Magnesite, cal., powd., bags, f.o.b. mines, Calif..ton.58.75 - —
dead-burnt[1] bulk, c.l., f.o.b. Chewelah, Wash..ton.22.00 -32.00
Maleic anhydride,[6] dms., c.l....lb. .25 - —
l.c.l.....lb. .26 - —
Malva flowers, black, bls.....lb. No stocks
blue, bls.....lb. No stocks
Leaves, bls.....lb. .38 - .40
Manaca root, bls.....lb. .23 - .24
Mandrake root, bls.....lb. .23 - .25
Manganese acetate, dms.....lb. .25½- —
Arsenate,[6] bgs.....lb. .12 - .12¼
Borate, tech., bbls.....lb. .16 - .18
Carbonate, bbls.....lb. .19 - —
Chloride, anhyd., bbls.....lb. .15 - .16
Dioxide, African, battery, 84-87%, bbls., 28-40 tons, works, ton.74.00 - —
5-15 tons, works..ton.77.00 - —
smaller lots, works.ton.82.00 - —
Caucasian, 85-90%, bbls., c.l., works..ton.74.00 - —
l.c.l., 5 tons, works..ton.77.00 - —
smaller lots, works..ton.82.00 - —
burlap bgs., c.l., works, ton.71.75 - —
l.c.l., 5 tons, works..ton.74.75 - —
smaller lots, works..ton.79.75 - —
paper bgs., c.l., works..ton.70.00 - —
l.c.l., 5 tons, works..ton.73.00 - —
Glycerophosphate, bgs., bbls., 1,000-lb. lots..lb. 3.05 - —
100-lb. lots.....lb. 3.15 - —
cns., 25 lbs.....lb. 3.27 - —
Hydrate, bbls., dlvd.....lb. .26 - —
Iodide, bots., 5 lbs.....lb. 5.70 - —
jars, 25 lbs.....lb. 5.55 - —
Manganese linoleate, liquid, 4% dms..lb. .20 - —
solid, precip., 8.2%, bbls...lb. .22 - —
Napthenate, 6% Mn, 50-gal. dms..gal. .16 - —
Resinate, fused, 3½%, bbls..lb. .09 - .10½
precip., dms.....lb. .14½- .15½
Soyate, 8.2% Me, 50-gal. dms. lb. .22 - —
Sulphate, anhyd., dms., works. lb. No stocks
feed grade, 77-80%, bgs....lb. .04 - .05
fertilizer, 65%, $MnSO_4$, bgs., c.l., dlvd. East..ton.59.50 - —
l.c.l., same basis or f.o.b. Balto. and Cincinnati.. ton.68.50 - —
industrial grade, 80%, $MnSO_4$, bgs..lb. .05 - .05¾
Tallate, 4% Mn, 50-gal. dms.lb. .09 - —
Mangrove bark, E. Afr.....ton.65.00 -66.00
Manna flake, cs.....lb. No stocks
Mannitol,[6] com'l grade, bbls., works..lb. .35 - .40
reagent grade, 50-lb. cs. or multiples, works..lb. .85 - —
Manure, sheep, bgs., c.l., Mid-west shipping points..ton.14.50 20.00
kiln-dried, bgs., c.l., f.o.b. Chicago..ton.17.50 -25.00
Marjoram, Argentine, bls.....lb. .23 - .24
California, French type, bls., f.o.b. Pacific Coast..lb. .47 - .48
Chilean, bls.....lb. .21½- .22
Matico leaves, bls.....lb. .22 - .29
Menadione, USP, bots....gram. .10 - —
Menthol, tech., synth., cns....lb. 5.00 - 6.00
USP,[1] natural, cns.....lb.12.75 -13.00
synth., cns.....lb.13.00 - —
racemic, cns.....lb. 8.60 - 9.15
Menthyl salicylate, tins.....lb. 3.00 - 3.10
Mercurial ointment, USP, mild, 10%, tubs..lb. .70 - .72
30%, pails.....lb. 1.23 - 1.34
50%, pails.....lb. 1.69 - 1.71
Mercury bichloride[2] (see Corrosive sublimate).
Bisulphate,[2] dms.....lb. 2.45 - 2.47
Chloride,[2] (see Calomel).
Cyanide,[2] cryst., powd.....lb. 2.72 - —
Iodide,[2] red, NF, dms., kgs..lb. 4.38 - —
yellow, fib, dms., kgs.....lb. 4.48 - —
Nitrate ointment (see Citrine ointment).
Oxide,[2] NF (see Red, precipitated).
tech. (see Red, mercury, oxide).
yellow, NF VI, fib. dms...lb. 3.07 - 3.09
red,[2] NF (see Red, precipitate).
tech. (see Yellow, mercury oxide).
Mercury and chalk,[2] 5-lb. cans.lb. 1.66 - 1.71
dms.....lb. 1.59 - 1.61
Mesityl oxide, dms., c.l., dlvd..lb. .11½- —
l.c.l., dlvd.....lb. .12 - —
tanks.....lb. .10½- —
Metal leaf, composition, 5½x5½ in..pkg. 3.00 - —
Gold X+, deep, 23, 3⅜x3⅜ in. pkg.15.00 - —
Silver, 3⅜x3⅜ in.....pkg. 3.00 - —
Metanitroparatoluidin, bbls....lb. 1.05 - 1.10
Metaphenylenediamine, kgs....lb. .65 - —
Metatoluylenediamine, kgs....lb. .70 - —
Methanol,[1,3,6] natural, all grades, dms., c.l., E. of Miss. R. gal. .63 - .66
l.c.l., same basis.....gal. .73 - .76
tanks, same basis.....gal. .60 - —
Inside prices on natural methanol are drums extra; outside drums included. Prices W. of Miss. R. 3c. higher.
synthetic, dms. c.l., Zone 1, frt. alld..gal. .31 - —
2, frt. alld. or dlvd...gal. .34 - —
3, frt. alld.....gal. .38 - —
4, frt. alld.....gal. .38 - —
l.c.l., Zone 1, frt. alld. or dlvd..gal. .36 - —
2, frt. alld.....gal. .43 - —
3, dlvd. S. F. and L. A., gal. .41 - —
4, frt. alld. or dlvd...gal. .51½- —



TELEVISION is coming of age. Spurred by war born developments in electronics and new technical refinements, the miracle of images broadcast through the ether is now emerging as a new and unique medium of communication and expression. It promises some day to be as commonplace as the radio and the printed page.

Behind this new miracle industry lie many decades of research and technical achievement. Its beginnings go far back into the genesis of radio itself and the first projection of sound waves. For the principles upon which television is based are formulated upon the work of pioneer scientists who first discovered the physical nature of sound and light. Thus, to those who labored long ago, as well as to the modern technicians who gave television concrete reality, we owe a debt for creating the "Margin of Experience" for the final achievement.

In every field of science, commerce or industry, this "Margin of Experience" proves again and again to be a factor vital to success. Niagara offers it in the field of electro-chemical products. For Niagara has pioneered constantly in the development, improvement and adaptation to new uses of Liquid Chlorine, Caustic Soda, Caustic Potash, Paradichlorobenzene and Carbonate of Potash. Rely on Niagara's "Margin of Experience" for greater success in the use of these products.

AN ESSENTIAL PART OF AMERICA'S GREAT CHEMICAL ENTERPRISE

Niagara ALKALI COMPANY
60 East 42nd Street, New York 17, N. Y.
CAUSTIC POTASH • CAUSTIC SODA • PARADICHLOROBENZENE
CARBONATE OF POTASH • LIQUID CHLORINE

ADVENTURES IN THE "MARGIN OF EXPERIENCE"

Methanol, synth., tanks, Zone 1, frt. alld..gal. .24 - —
2, frt. alld.....gal. .27 - —
3, frt. alld.....gal. .29 - —
4, frt. alld.....gal. .29 - —

Synthetic methanol zones are:—Zone 1—Conn., Del., D. C., Ill., Ind., Ia., Ky., Me., Md., Mass., Mich., Minn., Mo., Neb., N. H., N. J., N. Y., N. C., O., Pa., R. I., S. C., Tenn., Vt., Va., W. Va., and Wis. Zone 2—Ala., Ark., Col., Fla., Ga., Kan., La., Miss., N. Mex., N. Dak., Okla., S. Dak., Tex., and Wyo. Zone 3—Los Angeles and San Francisco. Zone 4—Ariz., Calif. (with exception of Los Angeles and San Francisco), Ida., Mont., Nev., Ore., Utah, and Wash. Buyers in Zone 4 have the option of buying at the delivered Zone 4 price or at the Zone 3 price, f.o.b. Los Angeles and San Francisco.

Methyl abietate, dms., c.l., dlvd., lb. .0722- —
l.c.l., 10-dm. lots, dlvd...lb. .0847- —
single dms., dlvd.....lb. .0947- —
smaller cont., dlvd.....lb. .1447- —
hydrogenated, dms., c.l., dlvd., lb. .1122- —
l.c.l., 10-dm. lots, dlvd...lb. .1247- —
single dms., dlvd.....lb. .1347- —
smaller cont., dlvd.....lb. .1847- —
Acetate, CP, 97-99%, dms., c.l., E. of Miss..lb. .10½- .12
W. of Miss.....lb. .11½- .12
l.c.l., E. of Miss.....lb. .11 - .14
W. of Miss.....lb. .12 - .13½
tanks, E. of Miss.....lb. .09½- —
W. of Miss.....lb. .10½- —
tech., dms., c.l., E. of Miss., lb. .07 - .09
W. of Miss.....lb. .08 - —
l.c.l., E. of Miss.....lb. .07½- .11
W. of Miss.....lb. .08½- .10¼
tanks, E. of Miss.....lb. .06 - —
W. of Miss.....lb. .07 - —

Methyl acetoacetate, dms., c.l., works, frt. alld..gal. .29½- —
Acetone, natural, Group A, dms., c.l., E. of Miss., frt. alld..gal. .66 - —
l.c.l., same basis....gal. .76 - —
tanks, same basis.....gal. .60 - —

Natural methyl acetone quoted dms., included by Group A. Prices W. of Miss. R., 3c. per gal. higher.

Group B, dms., c.l., Zone 1, frt. alld..gal. .63 - —
Zone 2, same basis.gal. .65 - —
Zone 3, same basis.gal. .67 - —
Zone 4, same basis.gal. .69 - —
l.c.l., Zone 1, same basis, gal. .66 - —
Zone 2, same basis.gal. .83 - —
Zone 3, same basis.gal. .70 - —
Zone 4, same basis.gal. .83 - —
tanks, Zone 1, same basis, gal. .60 - —
Zone 2, same basis.gal. .62 - —
Zone 3, same basis.gal. .64 - —
Zone 4, same basis.gal. .64½- —

Natural methyl acetone quoted drums extra by Group B. Sales zones are:—Zone 1, Conn., Del., D. of C., Ill., Ind., Iowa, Ky., Me., Md., Mass., Mich., Minn., Mo., N. H., N. J., N. Y., N. C., Ohio, Pa., R. I., Tenn., Vt., Va., W. Va., Wis. Zone 2—Ala., Ark., Col., Fla., Ga., Kan., La., Miss., Neb., N. D., Okla., S. C., S. D., Tex., Wyo. Zone 3—Los A., San Fran., Seattle, Wash.; Portland, Ore. Zone 4—Ariz., Cal., Idaho, Mont., N. Mex., Nev., Ore., Utah, Wash.

synthetic, dms., c.l., Zone 1.. gal. .51 - —
Zone 2.....gal. .52 - —
Zone 3.....gal. .53½- —
Zone 4.....gal. .54½- —

Methyl acetone, synth., l.c.l., Zone 1..gal. .54½- —
Zone 2.....gal. .57 - —
Zone 3.....gal. .58 - —
Zone 4.....gal. .59½- —
tanks, Zone 1.....gal. .43 - —
Zone 2.....gal. .44½- —
Zone 3.....gal. .45½- —
Zone 4.....gal. .45½- —

Synthetic methyl acetone sales zones are:—Zone 1—Conn., Del., D. C., Ill., Ind., Iowa, Ky., Me., Md., Mass., Mich., Minn., Mo., N. H., N. J., N. Y., N. C., Ohio, Penn., R. I., S. C., Tenn., Vt., Va., W. Va., Wis. Zone 2—Ala., Ark., Col., Fla., Ga, Kan., La., Miss., Neb., N. D., Okla., S. D., Tex., Wyo. Zone 3—Los Angeles, Cal.; San Francisco, Cal.; also (c.l. only) Portland, Ore., and Seattle, Wash. Zone 4—Ariz., Cal., N. Mex., Mont., Nev., Idaho, Ore., Utah, Wash.

Alcohol (see Methanol).

Anthranilate, 100-lb. lots....lb. 2.20 - 2.50
25-lb. lots, bots.....lb. 2.35 - 2.65
Benzoate,[6] ctns.....lb. .55 - 1.00
Bromide, cns.....lb. .75 - .80
cyls.....lb. .65 - .75
Chloride, refrigeration, 500 lbs. and up, machine mfrs. and jobbers, cylinders..lb. .32 - —
service men and consumers, cyl..lb. .36 - —
50 to 400 lbs., cyl., mach. mfrs. and jobbers..lb. .36 - —
servicemen and consumers, lb. .40 - —
tanks, multi-unit, machine mfrs. and jobbers..lb. .31 - —
service men and consumers, lb. .36 - .40

Methyl chloride quotations are spot or contract, ship. point. Prices above are in 60, 90 and 180-lb. cylinders. Prices on the 20-lb. cylinders, uniformly 10c. per pound higher.

Methyl cinnamate, cns.....lb. 1.50 - 4.00
Formate, dms.....lb. .89 - —
Iodide, bots.....lb. 4.00 - 4.15
Lactate, dms., c.l., dlvd.....lb. No stocks
Oleate, dms., c.l.....lb. .35 - —
Salicylate,[1] 500-lb. dms.....lb. .35 - —
25-50 lbs.....lb. .37 - .38
Methylamyl ketone, dms., cns., works..lb. .25 - .28
Methylcellulose, specl., vis. (4,000 cps.), fib. ctns., 2,000 lbs. or more, frt. alld..lb. .60 - —
100 to 1,999 lbs., frt. alld.lb. .65 - —
1 to 99 lbs., works.....lb. .70 - —
standard vis. (15-1,500 cps.), fib. ctns., 2,000 lbs. or more, frt. alld..lb. .53 - —
100 to 1,999 lbs., frt. alld., lb. .58 - —
1 to 99 lbs., works.....lb. .63 - —
Methylcyclohexane, 98-100%, dms., works..lb. .16 - —
Methylcyclohexanol, 98-100%, dms., works..lb. .23 - —
Methylcyclohexanone, 98-100%, dms., works..lb. No stocks
Methylene blue, USP, kgs.100 lbs. 2.00 - 2.15
cns., $ lbs.....lb. 2.35 - —
Chloride, refrig., dms., wks..lb. .18 - .28
solvent, dms., works.....lb. .12 - .15
Methylethyl ketone,[6] dms., E. of Rocky Mts..lb. .09 - —
l.c.l., same basis.....lb. .09½- —
tanks, same basis.....lb. .08 - —
Methylhexyl ketone, dms., tech., works..lb. .60 - —
Methylisobutyl ketone,[6] dms., c.l., dlvd..lb. .12½- —
l.c.l., dlvd.....lb. .13 - —
tanks, dlvd.....lb. .11½- —
Methylnaphthyl ketone, cryst., cns..lb. No stocks
Methylpentanediol, com'l, dms., l.c.l., works..lb. .20 - —
Mica, dry grd.,[1] roofing, white, 20 mesh, bgs., c.l., f.o.b. works..ton.27.50 - —
l.c.l. .....ton.32.50 - —
30-31 mesh, bgs., c.l..ton.27.50 - —
l.c.l. .....ton.32.50 - —
40-45 mesh, bgs., c.l..ton.27.50 - —
l.c.l. .....ton.32.50 - —
80 mesh, bgs., c.l....ton.35.00 - —
l.c.l. .....ton.38.00 - —
paint, plastic, 100 mesh, c.l., bgs..ton.40.00 - —
l.c.l. .....ton.43.50 - —
wet-grd.,[1] biotite, c.l., bgs..lb. .04 - —
1,000 mesh, bgs., c.l.....lb. .03¾- —
l.c.l. .....lb. .04¼- —
white, 1,000 mesh, bgs., c.l.lb. .05¾- —
l.c.l. .....lb. .06¼- —
paint or lacq., c.l., bgs....lb. .04¾- —
l.c.l. .....lb. .05¼- —
rubber, c.l., bgs.....lb. .04½- —
l.c.l. .....lb. .05 - —
wallpaper, bgs., c.l.....lb. .04¾- —
l.c.l. .....lb. .05¼- —

Mica, dry grd., quoted works; wet grd. and 1,000-mesh mica in carload lots is frt. alld. E.; less carload lots ex whse. or frt. alld. E. Prices of the wet grd. are ½c. per lb. higher W. of Miss. R. and 1c. per lb. higher W. of Rockies.

Milk powder, skimmed,[1] roller, bulk, Zone A, bbls..lb. .12½- —
Zone B.....lb. .12¾- —
spray, bbls., bulk, Zone A..lb. .14½- —
Zone B.....lb. .14¾- —

Milk powder Zones are:—Zone A, all States not included in Zone B. Zone B, Conn., Del., D. C., Mass., Md., Me., N. J., N. H., N. Y., Pa., R. I., and Vt.

whole, roller, bbls.....lb. .35 - —
spray, bbls.....lb. .36 - —
Sugar,[1] bbls., c.l., works.....lb. .26 - —
l.c.l., works.....lb. .26¾- .27¼
Mineral spirits (see Petroleum, mineral spirits).
Molasses,[1,6] blackstrap, tanks, works, Area 1..gal. .18 - —
Area 2, same basis....gal. .18½- —
Area 3, same basis....ton.26.00 - —
Area 4, same basis....ton.29.00 - —
Area 5, same basis....ton.34.60 - —

Note—Area No. 1, Fla., Ga., La., Tex.; Area No. 2, Mass., Md., N. J., N. Y.; Area No. 3, Calif.; Area No. 4, Colo., Idaho, Kan., Mont., Neb. (excepting Grand Island), S. D., Utah, Ore., Wash., Wyo.; Area No. 5, Ia., Md., Mich., Minn., Grand Island, Neb., Ohio, Wis.

Molybdate orange (see Orange, molybdate).
Molybdenum metal,[1,6] kgs., 99%, powd..lb. 2.60 - 3.00
Trioxide,[6] pure, kgs., basis Mo. content, works..lb. .95 - —
technical, kgs., works.....lb. .80 - —
Monoamylamine, dms., basis 100%, c.l., works..lb. .61 - —
l.c.l., works.....lb. .64 - —
Monoamylnaphthalene, l.c.l., dms., works..lb. .17 - —
Monobutylamine, dms., basis 100%, c.l., works..lb. .48 - —
l.c.l., works.....lb. .51 - —
Monochlorobenzene, dms., c.l..lb. .05½- —
l.c.l. .....lb. .07 - .09
Monoethanolamine,[6] dms., c.l., frt. alld. E..lb. .24½- —
l.c.l., dms., same basis....lb. .25½- —
tanks, same basis.....lb. .23½- —
Monoethylamine, basis 100%, dms., c.l., works..lb. .43 - —
l.c.l., works.....lb. .46 - —
Monoethylanilin, dms.....lb. .47 - —
Monomethyl para aminophenol sulphate, dms..lb. 2.40 - 2.90
Monomethylamine, dms.....lb. .65 - —
Monosodium phosphate (see Soda phosphate, monobasic).
Morphine, bots., 5 ozs.....oz.11.10 - —
cns., 25 ozs.....oz.10.90 - —
Acetate, bots., 5 ozs.....oz. 9.00 - —
25 ozs.....oz. 8.80 - —
Hydrobromine, 5 ozs.....oz. 8.95 - —
cns., 25 ozs.....oz. 8.75 - —
Hydrochloride, bots., 5 ozs..oz. 9.00 - —
cns., 25 ozs.....oz. 8.80 - —
Sulphate, bots., 5 ozs.....oz. 9.00 - —
cns., 25 ozs.....oz. 8.80 - —
Morpholine, dms., 55 gals., l.c.l., works..lb. .67 - —
smaller containers, works....lb. .12 - .13
Musk, nat., Tonquin, grains, bots., oz. No stocks
synth., ambrette, cns., 100 lbs. or more..lb. 4.00 - 9.00
25 lbs. to 75 lbs.....lb. 4.10 - 9.10
5 lbs.....lb. 4.25 - 9.45
ketone, cns., 100 lbs. or more, lb. 4.15 - 9.25
25 lbs. to 75 lbs.....lb. 4.25 - 9.35
5 lbs.....lb. 4.40 - 9.70
xylol, cns., 100 lbs. or more, lb. 1.40 - 2.05
25 lbs. to 75 lbs.....lb. 1.50 - 2.60
5 lbs.....lb. 1.65 - 2.90
Mullein leaves, cns.....lb. .75 - —
Musk root, bls.....lb. 2.25 - 2.30
Mustard seed, Calif., brown, bgs., lb. .16½- .17
Montana, yellow, bgs.....lb. .14¼- .14¾
Washington, yellow, bgs.....lb. .14¾- .14¾
Myrobalans,[6] J1, whole, bgs..ton.58.50 -59.00
crushed .....ton.70.00 -72.00
J2, whole bgs.....ton.47.00 -49.00

It's a Cinch
TO MAKE A PAINTER HAPPY

Give him a can of house paint pigmented with TITANOX-RC (rutile calcium pigment) and you'll have him "sold" for life. Its ease of application, high coverage and hiding will please him. His work will give exceptional satisfaction.

TITANOX-RC is one of the most popular titanium pigments, and there are good reasons why. It is a high bulking pigment at low cost. That means economy for manufacturer and painter. In addition it contributes to more durable coatings. That means longer film life.

Ask our Paint Service Department for details of notable results obtained with TITANOX-RC *on our test fences.*

HIGHEST VALUE

TITANOX-RC represents the highest value obtainable in a composite white pigment for low-cost outdoor paints.

OPACITY
WHITENESS
BRIGHTNESS
at low cost

TITANOX
REG. U. S. PAT. OFF.

TITANIUM PIGMENT CORPORATION, *Sole Sales Agent*
111 Broadway, New York 6, N. Y. • 104 South Michigan Ave., Chicago 3, Illinois
350 Townsend Street, San Francisco 7, Cal. • 2472 Enterprise Street, Los Angeles 21, Cal.

N

Naphtha, painters (see Petroleum naphtha, V. M. & P.).
Solvent (see S).
Naphthalene,[2,6] crude, dom., 74°, bgs., c.l., frt. equald..lb. .03 - —
bbls., c.l., same basis...lb. .031 - —
tanks, same basis.....lb. .0275- —
78°, bgs., c.l., same basis.lb. .0325- —
bbls., c.l., same basis...lb. .0335- —
tanks, same basis.....lb. .03 - —
refined, balls, flakes, bbls., wholesalers and jobbers, works..lb. .08 - —
50-lb. cs., same basis....lb. .08¼- —
1-lb. pkgs., same basis...lb. .08¾- —
Neocinchophen, USP, dms.....lb. 7.00 - 7.10
Nepheline, syenite, glass grade, 24 mesh, bulk, Rochester, N. Y..ton.12.00 - —
pottery grade, 200 mesh, bulk, Rochester, N. Y..ton.15.50 - —
Nepheline syenite in bgs. is priced $2 per ton above the bulk quotations.
Neroline, cryst., cns.....lb. 1.70 - 2.00
Niacin (see Acid, nicotinic).
Nickel,[6,5] carbonate, bbls.....lb. .36 - .36½
Chloride,[6] bbls.....lb. .18 - .20
Cyanide,[6] bots., dms.....lb. No stocks
Oxide,[6,5] black, bbls.....lb. .35 - .38
Salt,[6,5] bbls.....lb. .13 - .13½
Nicotine, sulphate, 40%, dms., 50 lbs. to dealers, frt. allowed over 96 lbs..lb. .8660- —
tins, 10 lbs.....lb. 1.015 - —
Nicotinamide,[6] USP, dms....kilo.13.25 -13.55
Nikethamide, bots., cbys.....lb.17.00 -18.00
Nitercake, bulk, works.....ton.16.00 - —
Nitrobenzene, dbl. dist., dms., c.l. lb. .08 - —
l.c.l. .....lb. .09 - —
tanks .....lb. .07 - —
Nitrocellulose, alcohol-soluble, ¼, ½ sec., 30-35 cps., bbls., dry weight, l.c.l., works. lb. .28 - —
5-6, 40-60, cps., same basis. lb. .27 - —
ester-soluble, ¼, ½ sec., 30-35 cps., bbls., dry weight, l.c.l., works..lb. .26 - —
5-6, 15-20 cps. and higher, bbls., dry weight, l.c.l., works..lb. .25 - —
Nitrocellulose:—Denatured alcohol used in manufacture is charged extra. Barrels extra, but returnable.
Nitroethane, dms., l.c.l., wks..lb. .25 - —
Nitrogen, solut.,[6] tanks...ton N.10.21 - —
Prices adjusted to ammonia sulphate basis from ports, and anhydrous ammonia basis, Hopewell, Va.
Nitrogenous process tankage,[1] bulk, works.....unit-ton. 3.15 - 3.50
sewage sludge,[1] bulk, works. unit-ton. 2.60 + 4.40- 3.00 + .40
Nitromethane, dms., l.c.l., works. lb. .25 - —
Nitronaphthalene, bots.....lb. .24 - .25
Nitropropane I, dms., works..lb. .25 - —
II, dms., same basis.....lb. .25 - —
Nutgalls,[6] Aleppo, bgs.....lb. .47 - .48
Chinese, bgs.....lb. .45 - .46
Nutmegs,[1] West Indian, No. 1, futures, bgs..lb. .34¼- .34¾
Nux vomica, bls.....lb. .08½- .09
powder bbls. hxs.....lb. .12 - .13

O

Oakbark extract,[1,6] 25% tan., bbls., c.l., works..lb. No stocks
Octane,[1] 100-140° C., industrial grade, dms., c.l., G.3..gal. .15½- —
l.c.l., G.3.....gal. .29 - —
10 gals., G.3.....gal. .55 - —
tanks, G.3.....gal. .13 - —
Octanol, normal,[6] tech., 360-lb. dms., dlvd..lb. .85 - —
Oil, almond, bitter, artif. (see Benzaldehyde).
bitter, F.P.A.....lb. 5.25 - 5.50
natural, USP, bots.....lb. Nominal
sweet, exp., dms., cns.....lb. 1.30 - 1.50
Angelica root, bots.....lb.125.00 -140.00
Seed, bots.....lb. No stocks
Anilin (see A).
Anise, USP, Russian, cns....lb. 4.00 - 4.25
Apricot kernel, cns.....lb. .45 - .55
Avocado, cns., dms.....lb. 1.05 - 1.25
Babassu,[1,5] tanks.....lb. .1110- —
Bay, W. I., 50-55%, cns.....lb. 1.50 - 1.65
Puerto Rican, 55-60%, cns..lb. 1.55 - 1.75
Bergamot, artif., cns.....lb. 2.25 - 4.25
natural, Italian, coppers....lb. 8.25 - 8.50
Brazilian, cns.....lb.10.00 -10.25
Birch (see Oil, sweet birch).
Birchtar, crude.....lb. No stocks
rectified, cns.....lb. No stocks
Bois de rose, Brazil, cns.....lb. 5.25 - 5.50
Mexican (see lignaloe wood).
Bone, dms., works.....gal. .65 - .70
Cade, USP IX (see Oil, juniper tar).
Cajeput, tech., dms.....lb. 2.25 - 2.30
redistilled, USP X, cns.....lb. 2.40 - 2.45
Calamus, cns.....lb.22.50 -25.00
Camphor, sassafrassy, cns...lb. No stocks
white, cns.....lb. No stocks
Cananga, native, cns.....lb.12.50 -14.00
rectified, cns.....lb.15.00 -17.50
Capsicum (oleoresin), USP VII, cns..lb. 4.50 - 4.65
Caraway, USP, cns.....lb.17.00 -20.00
Cardamom, bots.....lb.19.00 -21.00
Cassia, USP, cns.....lb.12.00 Nom.
Castor,[1] blown, dms., returnable, c.l..lb. .15¼- —
l.c.l. .....lb. .16 - —
cold pressed, USP, bbls., c.l.. lb. .14 - —
cns. .....lb. .15¾- .17¾
dms., returnable, c.l....lb. .13¾- —
l.c.l. .....lb. .14½- —
tanks .....lb. .13 - —
dehyd., bodied, dms., c.l....lb. .1790- —
l.c.l. .....lb. .1830- —
tanks .....lb. .1750- —
unbodied, dms., c.l.....lb. .1690- —
tanks .....lb. .1650- —
No. 3, tech., bbls., c.l.....lb. .13¾- —
l.c.l. .....lb. .14¼- —
dms., returnable, c.l....lb. .13½- —
l.c.l. .....lb. .14¼- —
tanks .....lb. .12¾- —
sulphonated, 50% (48% fat), dms., c.l..lb. .09½- .09¾
l.c.l. .....lb. .10½- .11
75% (63% fat), dms., c.l..lb. .11¾- —
l.c.l. .....lb. .12¾- .13
80% (68% fat), dms., c.l..lb. .12¼- .12½
l.c.l. .....lb. .13¼- .13½
Cedarleaf,[1] cns., dms.....lb. 2.60 - 2.85
Cedarwood, dms.....lb. .85 - 1.25
Celery, bots.....lb.19.00 -22.00
Chaulmoogra, USP, cns.....lb. .70 - .75
Chinawood (see Oil, tung).
Cinnamon bark oil, bots.....lb.32.50 -35.00
leaf oil, dms.....lb. 1.50 - 1.85
Citronella, Ceylon, cns.....lb. .90 - .95
Java, cns.....lb. No stocks
Clove, USP, cns.....lb. 1.70 - 1.75
Oil, coconut,[1,6] Ceylon, crude, bulk, c.i.f. N. Y..lb. .0885- —
Cochin type, crude, bulk, c.i.f. N. Y..lb. .0935- —
Manila, crude, bulk, c.i.f., N. Y..lb. .0835- —
ret. dms.....lb. .0885- .0985
edible, ex tax, dms.....lb. .0985- —
Cod, Newfoundland, dms...gal. .85 - .88
tankcar .....gal. .83 - —
Codliver,[5] med., USP, bbls., dms..gal. 2.30 - 2.40
Coriander, bots.....lb.30.00 -35.00
Corn,[1,5] crude, tanks, works.lb. .12¾- —
edible, dms., l.c.l.....lb. .16¼- .16½
tanks .....lb. .1502- —
foots, acid 95%, tanks, dlvd. E..lb. .07¼- —
raw, 50%, tanks, dlvd. E.lb. .03½- —
Cottonseed,[1,5] cooking, l.c.l., ret. dms..lb. .16¼- —
foots, acid, 95%, tankcar, dlvd. E..lb. .07⅝- —
raw, 50%, tankcar, dlvd. E., lb. .03⅝- —
salad, l.c.l., ret. dms....lb. .16½- —
Creosote (see C).
Croton, NF, cns.....lb. 4.00 - 4.25
Cubeb, USP, cns.....lb. No prices.
Crude (see Petroleum, crude).
Cumin, bots.....lb. No stocks
Cypress, bots.....lb. 5.00 -12.00
Degras (see D).
Dillseed, bots.....lb.10.00 Nom.
weed, bots.....lb. 4.75 - 5.00
Dip (see D).
Erigeron, cns.....lb. 2.25 - 2.40
Eucalyptus, cns.....lb. 1.00 - 1.20
Fennel, sweet, cns.....lb. 4.50 Nom.
Fir, Canada, cns.....lb. 2.50 - 2.75
Fishliver,[1,5] dms., less than 40,000 A units per gram..... per million units. .14 - —
for each 1,000 additional A units up to 200,000 per gram, per million units. .001 - —
200,000 or more A units.... per million units. .30 - —
Oil, fuel (see Petroleum, fuel oil).
Gaultheria (see Oil, wintergreen leaf).
Geranium, Algerian, cns....lb.12.00 Nom.
Bourbon, cns.....lb. 9.50 -11.00
Russian, cns.....lb.15.50 - —
Turkish (see Oil, palmarosa).
Grapefruit, cns.....lb. 2.05 - 2.10
Ginger, dist., bots.....lb.20.00 -22.50
Hemlock, cns.....lb. 2.65 - 3.34
Juniper berry, dom., bots...lb.10.00 -15.00
wood, tech., cns.....lb. 1.00 - 1.25
Juniper tar, USP, dms.....lb. 1.15 - 1.20
Lard,[5] common, No. 1, bbls..lb. .14 - —
extra, No. 1, bbls.....lb. .14½- —
Winter, strained, bbls...lb. .15 - —
prime, burning, bbls.....lb. .16 - —
inedible, bbls.....lb. .15½- —
Laurel, bots.....lb. No prices.
Lavandin, cns.....lb. No stocks
Lavender flower, French, cns., lb. No prices.
Russian, cns.....lb.11.00 -11.50
garden, cns.....lb. .55 - .75
spike, Spanish, pure, cns..lb. 3.50 - 4.00
tech., cns.....lb. 2.75 - 3.00
Lemon, Calif., cns.....lb. 3.25 - —
Messina,[1] cns.....lb. 3.25 - —
Terpeneless .....lb.55.00 -60.00
Lemongrass, cns., dms.....lb. 1.75 - 2.00
Lignaloe wood, Brazilian (see Bois de Rose).
Mexican, seed, cns.....lb. No stocks
wood, cns.....lb. 3.75 - 4.00
Lime, dist., Jamaica, cns...lb. 7.25 - 7.50
Mexican, cns.....lb. 7.00 - 7.50
expressed, Jamaica, cns...lb.12.50 -13.50
Linseed,[1,3] raw, dms., c.l...lb. .1510- —
l.c.l. .....lb. .1600- .1 60
tankcar .....lb. .1470- —
tankwagon .....lb. .1470- —
Boiled linseed oil, .004 over raw.
Linseed replacement, dms...lb. .1310- .1510
tankcar .....lb. .1270- .1470
Oil, lubricating,[1] at refinery, extax, California, neutral, pale, 200-800 vis., 2¾-4 pour, tanks, gal. .07¼- .11
red, 200-900 vis., 4-6½ pour, plus tanks..gal. .07¼- .11¼
Group 3, bright stock, 150-160 vis., 0-25 pour, tanks..gal. .25 - —
neutral, 300 vis., No. 3 col., 0-10 pour, tanks.. gal. .14½- .18
200-280 vis., No. 3, col., 15-25 pour, tanks..gal. .15 - .17½
Pa., bright stock, 140-150 vis., No. 8 color, 10-25 pour, tanks..gal. .24 - .30½
cylinder oils, 600-630 flash, tanks..gal. .16 - .17
600-650, steam ref'd, tanks..gal. .15 - .15½
neutral, 70° F., No. 3 color, 150 vis., 25 pour, tanks..gal. .27 - .31
200 vis., 25 pour, tanks gal. .28 - .33
Mace, dist., cns., dms.....lb. 5.00 - 5.25
Mandarin, Brazilian, cns....lb. 8.75 - 9.00
Menhaden,[1,5] crude, tanks, Balto. lb. .0890- —
refined, alkali, dms., l.c.l..lb. .1400- —
kettle-bodied, dms., l.c.l..lb. .1500- —
light-pressed, dms., l.c.l..lb. .1390- —
tankcars .....lb. .1220- —
Mineral, white (see Oil, white mineral).
Mustard, artif., USP, cns....lb. No stocks
Mustard seed,[6] exp., dms....lb. .14¾- —
Neatsfoot, 15°, bbls., c.l....gal. 1.90 - —
20°, bbls., c.l.....gal. 1.80 - —
30°, bbls., c.l.....gal. 1.80 - —
pure, bbls.....lb. .18¼ Nom.
Neroli, bots.....lb.200.00 -300.00
Nutmeg, dist., cns., dms.....lb. 5.00 - 5.25
Oiticica, liquid, dms., c.l....lb. .22 - —
Oleo,[6] No. 1, bbls.....lb. .13¼ Nom.

Aromatic Chemicals
IN INDUSTRY

THE field of Aromatic Chemicals in Industry has widened considerably in recent years.

NO longer is the use of Perfumes restricted to the Soap, Cosmetic and Perfume Manufacturer.

PERFUMES are now widely used by such diverse manufacturers as: the rubber industry, the paper industry, the textile industry and many others.

FURTHER research is constantly being made both by us and by manufacturers of many diverse products.

PERHAPS we can be of service to you

Among our many products the following are proving useful in numerous industries:

Butyl Phenyl Acetate
Lignin Vanillin
Veratraldehyde
Ethaldehyde
Cinnamic Alcohol
Ionone Ketone
Ionone Methyl
Acetophenone
Linalool Extra

Phenyl Acet Aldehyde Di Methyl Acetal
Di Phenyl Acetal of Phenyl Acet Aldehyde
Hydratropic Aldehyde
Para Methyl Hydratropic Aldehyde

Write us for Information

Aromatics Division
GENERAL DRUG COMPANY
125 Barclay St., New York 7, N. Y.
9 S. CLINTON STREET, CHICAGO 6 1019 ELLIOTT STREET, W. WINDSOR, ONT.

Oil, olibanum, bots.....lb. 5.00 - —
Olive, denat., dms.....gal. No stocks
edible,[1] Calif., 3%-½% f.f.a., works, dms. extra..gal. 4.30 - 4.80
imported, dms.....gal. No stocks
foots, dms.....lb. No stocks
sulphonated, 50% (40% fat), dms., c.l..lb. No prices
l.c.l. .....lb. No prices
80% (68% fat), dms., c.l..lb. No prices
l.c.l. .....lb. No prices
85% (68% fat), dms., c.l..lb. No prices
l.c.l. .....lb. No prices
Orange, sweet, dist., cs.....lb. 1.25 - —
expressed, Brazilian, cns..lb. 1.35 - 1.40
Calif., cns.....lb. 1.75 - 2.00
Florida, cns., dms.....lb. 1.25 - 1.30
Messina, USP, coppers.lb. No stocks
West Indian, cns.....lb. 3.75 - 4.00
sequiterpeneless, bots.....lb.100.00 -112.00
Origanum, Spanish, cs.....lb. 2.40 - 2.75
Palm,[1,5] Niger, dms.....lb. .0865- —
Palm kernel, crude, bulk, c.i.f. N. Y..lb. .0835 Nom.
Palmarosa, cns.....lb. 5.50 - 5.75
Paraffin,[1] 300° flash, 100-110 vis., tanks, G.3..gal. .05¾- .08½
320° flash, 60-70 vis., tanks, same basis..gal. .08 - —
350° flash, 70-80 @ 100 vis., 0/10 pour..gal. .08 - —
80-85 vis., 0/10 pour, bbls., extra, Ind. refy..gal. .09½- —
100-110 vis., 0/10 pour, same basis..gal. .08½- .15
10/25 pour, same basis..gal. .08¼- .09¾
Patchouli, cns.....lb.20.00 Nom.

Oil, peanut,[1,5] crude, tanks, mill, lb. .13 - —
bleached, deod., tankcar....lb. .1501- —
hydrogenated, tanks.....lb. .1573- .1578
foots, acid, 95%, tanks, dlvd. E..lb. .08 - —
raw, 50% tanks, dlvd. E..lb. .04 - —
Pennyroyal, dms., cns.....lb. 4.10 - 4.25
import, cns.....lb. No prices
Peppermint, natural, dms....lb. 7.50 - —
redist., USP, dms.....lb. 8.05 - 8.22
Perilla, crude, dms.....lb. No stocks
Petitgrain, Paraguay, cns., dms. lb. 1.75 - 1.80
Pimento, berry, dms.....lb. 8.00 - 8.25
Leaf, cns.....lb. 4.35 - 4.50
Pine,[1,6] ret. dms., c.l., dlvd. E., gal. .63 - .63½
l.c.l., ret. dms., dlvd. E.gal. .73 - —
tanks, works.....gal. .55 - —
Pineneedle, cns.....lb. 3.10 - 3.15
Putty,[2] bbls., E. Segundo, Richmond, Cal..gal. .22½- —
contracts .....gal. .19½- —
dms., c.l., Whiting, Ind..gal. *.34 - —
Boston, Providence....gal. .25 - —
l.c.l., same basis.....gal. .27 - —
tanks, same basis.....gal. .18 - —
Martinez, Cal.....gal. .28 - —
* Extra for bbls., but subject to quantity discounts, ranging from 2c. to 5c. per gallon, according to amount purchased.
Rapeseed,[1,5] bulk, New Orleans, lb. .1156½- —
Red,[1] dist., dms., dlvd.....lb. .12¾- .13¾
tanks, dlvd.....lb. .12½- —
double dist., ret. dms.....lb. .15¾- .16¾
Saponified, same prices.
Rose, natural, coppers.....oz. No stocks
Rosemary, Spanish, cns., dms., lb. 1.60 - 2.00
Rosin, 1st rectified, dms...gal. .66 - —
2nd rectified, dms.....gal. .68 - —
3rd rectified.....gal. .72 - —
Rue, bots.....lb. 8.25 Nom.

Oil, sage, Spanish, cns.....lb. 3.60 - 5.00
Sandalwood, NF, dist., cns..lb. 6.75 - —
Mysore, cns., case lots.....lb. 7.00 - 7.25
Sardine, crude,[1,5] tanks, Pac. Coast..gal. .66¾- —
refined, alkali, dms., l.c.l..lb. .1400- —
kettle-bodied, dms., l.c.l..lb. .1500- —
light-pressed, dms., l.c.l..lb. .1300- —
tankcars .....lb. .1220- —
Sassafras, artif., cns.....lb. 1.00 - 1.40
natural, cns., dms.....lb. 1.90 - 2.00
Savin, cns.....lb. No stocks
Savory, cns.....lb. 8.00 - —
Sesame,[1,5] tanks.....lb. .1430- —
Shingle stain, bbls., c.l., works, gal. .19 - —
l.c.l., works.....gal. .20 - —
tanks, works.....gal. .14 - —
Snakeroot, Canada, cns.....lb. No stocks
Soybean,[1,5] crude, tanks, Decatur..lb. .1175- —
clarif., dms.....lb. .1296- .1335
tanks .....lb. .1256- —
deod., Winter, tankcar.....lb. .1393- —
ret. dms.....lb. .1500- .1540
foots, acid, 95%, tanks, dlvd. E..lb. .07½- —
raw, 50%, tanks, dlvd. E.lb. .05½- —
refd., varnish, dms.....lb. .1386- .1400
tanks .....lb. .1340- .1347
Spearmint, dms.....lb. 4.00 Nom.
Sperm, bleach, 38°, dms.....lb. .1443- —
natural, 45°, dms.....lb. .1310- —
Spruce,[1] cns., dms.....lb. 2.65 - 3.34
Sunflower, refined,[6] tanks...lb. .1438- —
semi-refined, tanks.....lb. .1430- —
Sweet birch, North, cns.....lb. 4.00 - 5.00
South, cns.....lb. 2.50 - 3.75

Oil, tall, crude, dms., c.l., works, ton.53.65 -55.00
l.c.l., works.....ton.58.65 -63.65
tanks, works.....ton.40.00 -45.00
refined, dms., c.l., works..lb. .05 - .05⅛
l.c.l., works..... ...lb. .05½- —
tanks, works.....lb. .04½- —
Tallow,[5] acidless, bbls.....lb. .14¼- —
tanks .....lb. .13¾- —
Tansy, cns.....lb. 4.50 - 4.55
Tar,[1] pine, dms., c.l., dlvd. E. cities..gal. .32¾- —
l.c.l., f.o.b. works.....gal. .29¾- —
tanks, dlvd. E. cities....gal. .27 - —
rect., USP, bbls.....gal. .60½- —
Tar acid (see T).
Thyme, NF, red, cns.....lb. 2.50 - 3.50
white, cns.....lb. 2.65 - 4.00
Tung,[1] dms., c.l.....lb. .39 - .39½
l.c.l. .....lb. .39½- .40
tanks .....lb. .38⅝- —
Turkey red (see Castor, sulphonated).
Turpentine, rectified, USP, cns., dms..lb. .25 - —
Vetiver, Bourbon, bots.....lb.25.00 -30.00
Whale,[6] ref., natural, dms..lb. .1187 Nom.
winter, bleach, dms.....lb. .1232 Nom.
Wheat germ, dms.....gal.10.00 -13.50
White mineral, tech., 50-65 vis., dms., c.l..gal. .34 - —
l.c.l. .....gal. .40 - .43
65-75 vis., c.l.....gal. .34 - —
l.c.l. .....gal. .40 - .43
USP, 80/90 vis., dms., extra, c.l..gal. .27 - —
l.c.l. .....gal. .43 - .46
95/105 vis., dms., c.l...gal. .41½- —
l.c.l. .....gal. .47½- .50½
125/135 vis., dms., c.l...gal. .46 - —
l.c.l. .....gal. .52 - .55
145/155 vis., dms., c.l...gal. .48 - —
l.c.l. .....gal. .54 - .57
175/185 vis., dms., c.l...gal. .51½- —
l.c.l. .....gal. .57½- .60½
200/210 vis., dms., c.l...gal. .54 - —
l.c.l. .....gal. .60 - .63
320/330 vis., c.l.....gal. .60 - —
l.c.l. .....gal. .66 - .69
335/345 vis., dms., c.l...gal. .61 - —
l.c.l. .....gal. .67 - .70
San Francisco, 55, 70 and 85 vis., ret. iron drums, 65 dms..gal. .40 - —
64-1 dms.....gal. .42 - .45
100 vis., 65 dms.....gal. .49½- —
64-1 dms.....gal. .51½- .54½
145 vis., 65 dms.....gal. .57 - —
64-1 dms.....gal. .59 - .62
180 vis., 65 dms.....gal. .60½- —
64-1 dms.....gal. .62½- .65½
340 vis., 65 dms.....gal. .72 - —
64-1 dms.....gal. .74 - .77
Wintergreen, nat., North, cns.. lb. 6.50 - 8.50
South, cns.....lb. 4.00 - 4.25
synthetic (see Methyl salicylate).
Wood (see Oil, chinawood).
Wormseed,[1] cns.....lb. 5.00 - 5.15
Wormwood, cns.....lb. 4.85 - 5.50
Ylang-ylang, Bourbon, bots..lb. 9.50 -10.00
Oleostearin,[1] bbls.....lb. .1054- —
Olivine, aggregate, c.l., mines.. ton. 7.00 - 9.50
crushed, 8 mesh, bulk, c.l., wks. ton. 8.00 - —
paper, bgs., c.l., works..ton. 9.50 - —
lumps, same basis.....ton. 7.00 - —
spalls, same basis.....ton. 5.00 - —
Opium gum, USP, cns., 50-lb. lots lb.13.00 - —
25-lb. lots.....lb.13.25 - —
smaller lots.....lb.13.50 -13.65
Prices on powd. and gran. USP opium are 1.50 per pound higher.
Orange, cadmium selenide, bbls., 100-lb. lots, works..lb. 1.50 - —
Dinitroanilin toner[1].....lb. 1.05 - —
Molybdate,[1,6] bbls.....lb. .41 - —
Orthonitroanilin toner,[1] bbls., works.....lb. .80 - 1.05
kgs. .....lb. .80 - —
Persian,[1] bbls.....lb. .30 - .45
Orange mineral, Amer., bbls., 5 tons, dlvd. Ala., Ark., Cal., Fla., Ga., La., Miss., Okla., Tex. and W. of Cascade Mts. in Ore. and Wash..lb. .12¼- —
Ariz., Idaho, Nev., Utah, and E. of Cascade Mts. in Ore. and Wash..lb. .12¾- —
Colo., Mont., N. M., Wyo..lb. .12½- —
other points.....lb. .12 - —
Ala., etc.....lb. .12¾- —
Ariz., etc.....lb. .13¼- —
Colo., Mont., N. M., Wyo..lb. .13 - —
other points.....lb. .12½- —
Orange peel, bitter, Haitian, bgs. lb. .10½- .11
sweet, bls.....lb. .16 - .20
Oregano, Mexican, curly leaf, bgs..lb. .08½- .09
flat leaf, bgs.....lb. .08¼- .08¾
Orris root, African, bls.....lb. .85 - —
powd., bbls., bxs.....lb. .90 - .95
Portuguese, bls.....lb. .65 - .70
Verona, bls.....lb. No stocks
Orthoamylphenol, dms., works.lb. .25 - —
Orthoanisidin, bbls.....lb. .70 - —
Orthochloroanilin, dms.....lb. .60 - .70
Orthochlorophenol, dms.....lb. .25 - .27
Orthochlorophenol, dms.....lb. .25 - .27
Orthocresol,[2,6] 30.4° C, Min. M.P., dms., c.l., works..lb. .17½- .18
l.c.l., same basis.....lb. .18 - .18½
29.0° C. Min. M.P., dms., c.l., works..lb. .16½- .17
l.c.l., same basis.....lb. .17 - .17½
Orthodichlorobenzene, dms., c.l., works, frt. alld. E. of Rockies. lb. .07 - —
l.c.l., same basis.....lb. .08 - —
tanks, same basis.....lb. .06½- —
Orthodichlorobenzene prices west of Rockies 1c. per lb. higher.
Orthonitroanilin, dms.....lb. .43 - .55
Orthonitrochlorobenzene, dms..lb. .15 - .18
Orthonitroparachlorophenol, cns., lb. .75 - —
Orthonitrotoluene, dms.....lb. .09 - —
Orthophenetidin, dms.....lb. .82 - —
Orthotoluidin, dms.....lb. .19 - —
Osage orange, crystals, bbls...lb. .23 - —
extract, No. 1, bbls.....lb. .11 - —
No. 2, bbls.....lb. .10 - —
Oxyquinolin sulphate, cns., 100 lbs., works..lb. 3.50 - —
smaller lots.....lb. 3.75 - 4.15

P

Papain, powd., cs.....lb. 2.40 - 2.50
Papaverine natural, synthetic, hydrochloride, NF, cns., 100-oz. lots..oz. 7.00 - —
smaller lots.....oz. 7.05 - 7.35
sulphate, cns.....oz. 7.10 - 7.35

FIRST IN AMERICA
BY MORE THAN 4 TO 1

Over 80% of all the Lemon Oil used in America is *Exchange* Lemon Oil—over four of every five pounds.

This overwhelming endorsement by the trade is your assurance that Exchange Lemon Oil delivers FLAVOR, CLARITY and UNIFORMITY not found in any other Lemon Oil.

When you buy Lemon Oil... buy Exchange.

Distributed in the United States exclusively by

FRITZSCHE BROTHERS, INC.
76 Ninth Avenue, New York, N. Y.

DODGE & OLCOTT COMPANY
180 Varick Street, New York, N. Y.

Distributors for:
CALIFORNIA FRUIT GROWERS EXCHANGE
PRODUCTS DEPARTMENT, ONTARIO, CALIF.

Producing Plant:
EXCHANGE LEMON PRODUCTS CO., CORONA, CALIF.

Copyright, 1945, California Fruit Growers Exchange, Products Dept.

Paprika,[1] Calif., sweet Caliente, bgs.	lb.	.36 - .36½
Chilean, choice, bgs.	lb.	.34½- .35
Portuguese, choice, bgs.	lb.	.41 - .42
extra fancy, bgs.	lb.	.40 - .41
good, bgs.	lb.	.37 - .38
Spanish, fancy, futures, bgs.	lb.	.50 - .50½
fair, bgs.	lb.	No stocks
good, bgs.	lb.	.47 - .48
Para-anisidin, dms., works	lb.	.75 - —
Parachlorophenol, dms., wks.	lb.	.25 - .28
Paracresol,[6] bbls., wks.	lb.	.41 - —
Paracymene, dms., c.l., works	lb.	.1595- —
l.c.l., same basis	lb.	.1645- —
tanks, same basis	lb.	.1545- —
Paradichlorobenzene, dms., c.l., works	lb.	.11 - .12
l.c.l., same basis	lb.	.12½- .15
Paraffin, crude scale, white or yellow, 119-121 ASTM, bbls., c.l., refinery	lb.	.04¼ —
fully refd, slabs, loose, 117-119 ASTM, c.l., refinery	lb.	.05 - —
120-122 ASTM, same basis.	lb.	.0620- —
122-124 ASTM, same basis.	lb.	.0520- —
125-127 ASTM, same basis.	lb.	.0560- —
127-129 ASTM, same basis.	lb.	.0585- —
128-130 ASTM, same basis.	lb.	.0585- —
130-132 ASTM, same basis.	lb.	.0615- —
132-134 ASTM, same basis.	lb.	.0640- —
135-137 ASTM, same basis.	lb.	.0715- —
140-142 ASTM, same basis.	lb.	.0810- —
146-148 ASTM, same basis.	lb.	.1050- —
Prices in bags 4/10c. per lb. higher than those for slabs loose.		
Paraformaldehyde,[2,9] dms., 1,000 lbs. or more, works	lb.	.21 - —
smaller lots works	lb.	.22 - —
Paraldehyde, tech., 98%, 55 and 110-gal. dms., l.c.l., wks.	lb.	.12 - —
and 10-gal. dms., works	lb.	.15 - —
USP, cns., cbys.	lb.	.35 - .45
Paranitroanilin, kgs., works	lb.	.43 - .45
Paranitrochlorobenzene, kgs., wks.	lb.	.15 - —
Paranitrophenol, kgs.	lb.	.35 - —
Paranitrotoluene, kgs., works	lb.	.30 - —
Paraphenylenediamine, tech., kgs.	lb.	2.00 - —
Paratoluenesulphonamide, bbls.	lb.	.70 - —
Paratoluidin, bbls., works	lb.	.48 - —
Paris green,[1] dealer, distributor, dms., kgs., c.l., works, frt. alld.	lb.	.20 - .27
l.c.l., same basis	lb.	.22 - .28
Passion flower herb, bls.	lb.	.16 - .20
Patchouli leaves, bls.	lb.	.34 - .35
Pectin, bbls.	lb.	.85 - —
Penicillin,[6] hospitals, institutions, ampules, per 100,000 units.		2.40 - 2.60
for gov. purchases, ampules, per 100,000 units.		.85 - —
Pennyroyal leaves, bls.	lb.	.16 - .18
Pentachlorophenol, dms., works.	lb.	.20 - .25
Pentaerythritol,[6] CP, bbls., dlvd.	lb.	.75 - —
less than barrel lots	lb.	1.00 - —
tech., bbls., c.l.	lb.	.29 - —
l.c.l.	lb.	.33 - —
Tetra-acetate, bbls., dlvd.	lb.	1.00 - —
less than barrel lots	lb.	1.50 - —
Pentane,[1] 28°-38° C, industrial grade, dms., c.l., Group 3.	gal.	.11 - —
l.c.l., Group 3	gal.	.19 - —
tanks, Group 3	gal.	.07½- —
laboratory grade, dms., c.l.	gal.	.16 - —
l.c.l.	gal.	.29 - —
10 gals.	gal.	.55 - —
Pepper, black,[1] 15 tons, bgs.	lb.	.10 - —
50 to 100 bgs.	lb.	.1050- —
4 to 24 bgs.	lb.	.1100- —
red, chillies, Carolina, longs, new crop, bgs.	lb.	.32½- .33
sports, old crop, bgs.	lb.	.46 - .47
Congo, bgs.	lb.	.25 Nom.
Louisiana, sports, bgs.	lb.	No stocks
longs, old crop, bgs.	lb.	.32 - .33
Mombassa, bgs.	lb.	.24¾ Nom.
Niger, fair, bgs.	lb.	.23 Nom.
Sierra Leone, bgs.	lb.	.22½ Nom.
Unganda, washed, bgs.	lb.	No stocks
white,[1] 15 tons, bgs.	lb.	.1161 Nom.
24 bgs.	lb.	.1295 Nom.
Peppermint, dom., USP, bls.	lb.	.70 - .75
import, bls.	lb.	.90 Nom.
Perchloroethylene,[4] d m s., c.l., works, frt. alld., Zone 1.	lb.	.0782- .0800
l.c.l., same basis	lb.	.0832- .0850
Zone 2, dms., c.l., works, frt. alld.	lb.	.0832- .0850
l.c.l., same basis	lb.	.0882- .0900
Zone 3, dms., c.l., works, frt. equald.	lb.	.0882- .0900
l.c.l., same basis	lb.	.0932- .0950
Zone 4, dms., c.l., f.o.b. stock point	lb.	.0882- .0900
l.c.l., same basis	lb.	.0932- .0950
Perchlorethylene zones are:—(1) Conn., Del., Ill., Ind., Ia., Ky., Me., Md., Mass., Mich., Minn., Mo., Neb. (Omaha), Kans. (Kansas City), ... J., N. Y., N. C., Ohio, Pa., R. I., Tenn., Vt., Va., W. Va., Wis.; (2) Ala., Ark., Fla., Ga., Kans., La., Miss., Neb., N. D., Okla., S.C., S.D.; (3) Col., Mont. (E), N.M., Tex., Wyo.; (4) Ariz., Cal., Idaho, Mont. (W), Nev., Ore., Utah, Wash.		
Peru balsam, dms.	lb.	1.15 - 1.20
Petrolatum, tech., dark, bbls., Group 3, c.l.	lb.	.021 - —
golden Topaz, bbls., c.l.	lb.	.032 - —
l.c.l.	lb.	.036 - —
red, veterinarian, bbls., c.l.	lb.	.024 - —
l.c.l.	lb.	.028 - —
USP, amber, dms., c.l.	lb.	.03¼- —
l.c.l.	lb.	.04½- —
extra amber, dms., c.l.	lb.	.03½- —
l.c.l.	lb.	.04½- —
cream, c.l., dms.	lb.	.04¾- —
l.c.l.	lb.	.06¼- —
yellow, soft, dms., c.l.	lb.	.03¼- —
l.c.l.	lb.	.04¼- —
white, lily, dms., c.l.	lb.	.05½- —
l.c.l.	lb.	.07 - —
snow, c.l., dms.	lb.	.06¼- —
l.c.l.	lb.	.07¾- —
soft, c.l., dms.	lb.	.05¼- —
l.c.l.	lb.	.06¾- —
Deposit on ret. dms. $4.		
Petrolatum prices dms. extra, ret.		
Petroleum, crude, bulk, at wells, California, heavy grades.	bbl.	.98 - 1.01
Illinois	bbl.	1.37 - —
Kentucky, Union County.	bbl.	1.32 - 1.37
Louisiana-Arkansas	bbl.	.86 - 1.20
Oklahoma-Kansas	bbl.	.85 - 1.25
Pennsylvania	bbl.	1.31 - 3.00
Texas, Gulf Coast	bbl.	1.06 - 1.86
North, North-Central	bbl.	1.01 - 1.25
West	bbl.	.70 - 1.12
Panhandle	bbl.	1.10 - 1.22
Savannah, Ga.	bbl.	1.60 - 1.77
Wyoming	bbl.	1.12 - —
Ether, laboratory grade, 30-60° C., dms., c.l., Group 3.	gal.	.16 - —
l.c.l.	gal.	.29 - —
10 gals.	gal.	.55 - —
35-60° C., dms., c.l.	gal.	.29 - —
10 gals.	gal.	.55 - —
40-75° C., dms., c.l.	gal.	.16 - —
l.c.l.	gal.	.29 - —
10 gals.	gal.	.55 - —

Petroleum, fuel oil, furnace, tanks, at refinery:—		
Arkansas, No. 1.	gal.	.04 - —
Nos. 2 and 3.	gal.	.03½- —
California, heavy.	bbl.	1.10 - —
light	bbl.	1.20 - —
diesel	gal.	.04 - —
stove dist.	gal.	.05 - —
Group 3, No. 3.	gal.	.08½- —
Group 3, No. 5.	bbl.	.85 - —
No. 6.	bbl.	.80 - .85
Kansas, No. 6.	bbl.	.85 - .90
Oklahoma, No. 2.	gal.	.03¾- —
No. 6.	bbl.	.90 - —
14-16	bbl.	.97 - —
Pennsylvania, No. 1.	gal.	.07 - .07⅞
No. 2.	gal.	.07 - .0806
No. 3.	gal.	.06¾- .07⅞
36-40 gravity	gal.	.07 - .07⅞
bunker C, Albany, N. Y.	bbl.	1.97 - —
Baltimore, Md.	bbl.	1.77 - —
Boston, Mass.	bbl.	1.77 - —
Charleston, S. C.	bbl.	1.72 - —
Jacksonville, Fla.	bbl.	1.72 - —
New Haven, Conn.	bbl.	1.77 - —
New York, N. Y.	bbl.	1.77 - —
New Orleans, La.	bbl.	.97 - —
Norfolk, Va.	bbl.	1.77 - —
Philadelphia, Pa.	bbl.	1.77 - —
Portland, Me.	bbl.	1.77 - —
Port Tampa, Fla.	bbl.	1.62 - —
Providence, R. I.	bbl.	1.77 - —
Savannah, Ga.	bbl.	1.72 - —
Lacquer diluent, at refinery:—		
California, 100 l.b.n., 200 e.p., tanks, dlvd. Los Angeles.	gal.	.11 - —
Fort Wells, Wash.	gal.	.12 - —
San Francisco.	gal.	.11½- —
Willbridge, Ore.	gal.	.12 - —
East Coast, N. J., N. Y., tanks.	gal.	.11½- —
Group 3, benzol type, tanks,	gal.	.07⅛- —
toluol type, tanks.	gal.	.07⅛- .07¼

Petroleum, mineral spirits, at refinery, California (f.o.b. San Francisco), 143-252 b.r., tanks.	gal.	.10¼- —
198-300 b.r., tanks.	gal.	.10¾- —
246-397 b.r., tanks.	gal.	.10½- —
312-408 b.r., tanks.	gal.	.09 - —
362-458 b.r., tanks.	lb.	.09 - —
East Coast, N. J., N. Y.,	gal.	.10 - —
Group 3, tanks.	gal.	.06½- —
tankwagon, Baltimore	gal.	.12 - .14
Boston	gal.	.13 - —
Bridgeport, Conn.	gal.	.1630- —
Buffalo	gal.	.1240- —
Camden, N. J.	gal.	.11 - —
Chicago	gal.	.13½- —
Detroit	gal.	.1580- —
Hartford	gal.	.1630- —
Kansas City, Mo.	gal.	.1480- —
Lancaster, Pa.	gal.	.12 - —
Milwaukee	gal.	.1440- —
Minneapolis	gal.	.1420- —
Newark (200 gal.)	gal.	.11 - —
New York (200 gal.)	gal.	.11 - —
Philadelphia	gal.	.11 - —
Pittsburgh	gal.	.129 - —
Providence	gal.	.13 - —
Rochester	gal.	.1320- —
St. Louis	gal.	.1370- —
Syracuse	gal.	.14 - —
Washington, D. C.	gal.	.13 - —
Wilmington, Del.	gal.	.13 - —
Naphtha, cleaners, at refinery:—		
California (f.o.b. San Francisco), tanks.	gal.	.12 - —
East Coast, N. J., N. Y., tanks.	gal.	.11 - —
Group 3, tanks.	gal.	.07¼- —
tankwagon, Newark	gal.	.12 - —
Bridgeport	gal.	.1730- —
Chicago	gal.	.1380- —
Detroit	gal.	.15 - —
Milwaukee	gal.	.1440- —
Minneapolis	gal.	.1420- —
New York	gal.	.12 - —
Philadelphia	gal.	.125 - —
St. Louis	gal.	.1470- —

Petroleum, naphtha, high-solvency, No. 1, over 76% arom., tanks, Bayway, N. J.	gal.	.21½- —
No. 2, over 90% arom., same basis.	gal.	.21½- —
No. 3, same basis.	gal.	.22½- —
No. 8, tanks, same basis.	gal.	.228 - —
No. 30, tanks, f.o.b. Kingsland, N. J., frt. alld.	gal.	.223 - —
No. 40, tanks, Wilmington, Cal.	gal.	.13½- —
V.M.&P., at refinery:— California, 46.5, 254 l.b.p., 380 e.p., tanks, f.o.b. El Segundo.	gal.	.11 - —
Richmond	gal.	.11½- —
Willbridge, Ore., Pt. Wells, Wash.	gal.	.12 - —
54-77 190 l.p.b., 310 e.p. tanks, dlvd. Los Angeles.	gal.	.10 - —
San Francisco	gal.	.10½- —
Portland, Seattle.	gal.	.11 - —
Group 3, tanks.	lb.	.07½- —
Gulf Coast (dlvd. New Orleans), tanks.	gal.	.06½- —
tankwagon, Boston	gal.	.13 - —
Chicago	gal.	.1380- —
Detroit	gal.	.15 - —
Milwaukee	gal.	.1540- —
Minneapolis	gal.	.1620- —
Newark (200 gals.)	gal.	.125 - —
New York	gal.	.12 - —
Philadelphia	gal.	.125 - —
Pittsburgh	gal.	.12½- —
St. Louis	gal.	.1470- —
Solvent, rubber at refinery, California (f.o.b. San Francisco).	gal.	.23½- —
East Coast, N. J., N. Y., tanks.	gal.	.11 - —
Group 3, tanks.	gal.	.07¼- .07¼

WYANDOTTE CHEMICALS CORPORATION

One of the world's great producers of chemicals

SODA ASH	CALCIUM CHLORIDE	AROMATIC INTERMEDIATES
CAUSTIC SODA	CHLORINE	DRY ICE
BICARBONATE OF SODA	HYDROGEN	Other Organic and Inorganic Chemicals
CALCIUM CARBONATE	SODIUM ZINCATES	

VITAL TO VICTORY TODAY—ready to work for a greater tomorrow

Wyandotte
REG. U. S. PAT. OFF.

WYANDOTTE CHEMICALS CORPORATION · MICHIGAN ALKALI DIVISION · WYANDOTTE, MICHIGAN

Petroleum solvent, Stoddard (CS 8-33), at refinery:—
- California (f.o.b. San Francisco), tanks..gal. .11 - —
- East Coast, N. J., N. Y., tanks..gal. .10 - —
- Group 3, tanks.....gal. .0[illegible]- —
- Pennsylvania, western, tanks..gal. .07¼- .07½
- tankwagon, Baltimore...gal. .13 - —
- Boston .....gal. .12 - —
- Chicago .....gal. .13½- —
- Detroit .....gal. .1580- —
- Milwaukee .....gal. .1440- —
- Minneapolis .....gal. .1420- —
- Newark .....gal. .11 - —
- New York.....gal. .11 - —
- Philadelphia .....gal. .11 - —
- Pittsburgh .....gal. .12½- —
- St. Louis.....gal. .1370- —
- Syracuse .....gal. .14 - —

Petroleum xylol solvent. See Xylol petroleum solvent.

Phenobarbital, 5-lb. cns.....lb. 3.60 - 3.70
dms., 100 lbs.....lb. 3.50 - —

Phenol,[2,6] 90-92% (cresol, 8-10%), dms., c.l., works, frt. equald..lb. .10 - —
- l.c.l. same basis.....lb. .10¾- —
- tanks, same basis.....lb. .09 - —

82-84% (cresol, 16-18%), dms., c.l., same basis..lb. .09¾- .10¼
- l.c.l., same basis.....lb. .10¼- .10¾
- tanks, same basis.....lb. .08¾- .09¼

USP, dms., c.l., same basis..lb. .10¼- —
- l.c.l., same basis.....lb. .11¼- —
- tanks, same basis.....lb. .09½- —

Phenolphthalein, USP, bbls., dms., 2,000 lbs..lb. .85 - —
- smaller lots.....lb. .87 - .92

yellow, fib. dms., 2,000 lbs..lb. .80 - —
- smaller lots.....lb. .82 - .87

Phenothiazin, NF, fib. dms., 2,000-lb. shipt..lb. .49 - —
- smaller lots, same basis..lb. .54 - —

Phenylacetaldehyde, 50% solut., bots..lb. 2.45 - 3.00
- 100% solut., bots.....lb. 4.40 - 5.00

Phenylethyl acetate, cns.....lb. 4.00 - 4.25

Phenylethylphenyl acetate, bots., lb. 5.50 - 7.00

Phenylhydrazin, base, CP, bots.lb. 4.55 - —
- Hydrochloride, CP, bots., works, lb. 7.10 - —
- commercial, kgs., works...lb. 1.75 - —

Phloroglucinol, CP, fib. dms..lb.13.75 -14.75
- tech., fib. dms.....lb.12.00 -12.50

Phosgene, ton lots, works.....lb. .19 - —

Phosphate rock,[1,3] Fla., land pebble, unground, run-of-mine, washed, dried, 68%-66% b.p.l., M.P.R. 240 provisions, bulk, car at mine, c.l....long ton. 2.20 - —
- 70%-68% b.p.l., M.P.R. 240 provisions, same basis..long ton. 2.60 - —
- 72%-70% b.p.l., M.P.R. 240 provisions, same basis..long ton. 3.20 - —
- 75-74% b.p.l., MPR, 240 provisions, same basis, long ton. 4.20 - —
- 77%-76% b.p.l., M.P.R. 240 provisions, same basis..long ton. 5.20 - —
- entirely pebble 50c. per ton higher than above prices.
- 30% P_2O_5 minimum, short ton. 2.90 - —
- 31%, P_2O_5 minimum, short ton. 3.10 - —
- 70%, basis 32%, P_2O_5 minimum..short ton. 3.45 - —

Tenn., brown, unground, run-of-mine, 70%-68% b.p.l., 5% l. & a., M.P.R. 240 provisions, same basis, long ton. 5.00 - —
- 72%-70% b.p.l., 51½% l. & a., M.P.R. 240 provisions, same basis..long ton. 5.50 - —

Phosphate rock, refinery ground, same basis..long ton. 4.65 - —
- 30%, P_2O_5, same basis..... long ton. 4.65 - —
- 31%, P_2O_5, same basis..... short ton. 4.95 - —
- 32%, P_2O_5, same basis..... short ton. 5.20 - —
- 33% P_2O_5, same basis..... short ton. 5.70 - —

Phosphate, defluorinated (see under D).

Phosphorus,[3] red, amorphous, cs. lb. .40 - .44
- tins, export.....lb. .55 - —
- yellow,[6] dms.....lb. .25 - —
- cs. .....lb. .23 - .25

Oxychloride,[6] cyls.....lb. .15 - .18

Pentoxide,[6] dms., c.l., wks..lb. .11 - .12
- l.c.l., works.....lb. .13 - .14

Sesquisulphide,[6] cs.....lb. .38 - .42

Trichloride,[6] cyls.....lb. .15 - .16

Phthalamide, bbls., works.....lb. .35 - .40
- kgs., works.....lb. .45 - .50

Phthalic anhydride,[6] bgs., bbls., c.l., works, frt. alld. E. of Denver..lb. .13 - —
- l.c.l., same basis.....lb. .14 - —

Pichi leaves, bgs.....lb. .07 - .08

Picoline (see Alphapicoline and Betapicoline).

Picrotoxin, bots.....oz. 3.00 - —

Pilocarpine hydrochloride, USP, bots., vis..oz. 3.90 - 5.25

Nitrate, bots., vis.....oz. 3.80 - 5.15

Pimento,[1] Jamaica, bgs.....lb. .23½- .24
- Mexican (see Allspice, Mexican).

Pinetar, retort, non-ret. dms., c.l., dlvd. E..gal. .35¾- —
- l.c.l., works, dms. incl..gal. .32¾- —
- tanks, dlvd. E.....gal. .27 - —

Pinkroot, bls.....lb. 1.35 - 1.90

Piperazine hexahydrate, bots..lb.16.00 - —

Pitch, burgundy (see B).
- Coaltar,[3] 160° m.p., bbls., c.l., works..ton.19.00 - —
- l.c.l., works.....ton.22.00 - —

Cottonseed, dms., works.....lb. .04 - .06

Hardwood, paper bgs., works.lb. .03½- —

Linseed, dms.....lb. .05 - .05½

Petroleum (see Asphaltum, Mexican, Texas).

Soybean, dms., works.....lb. .04 - .06

Pine, dms.....100 lbs. 3.25 - —
- stands, 200 lbs.....stand. 6.00 - —

Plaster of paris (see Gypsum).

Pokeroot, bbls.....lb. .11 - .12

Polyamylnaphthalene, dms., l.c.l., works..lb. .25 - —

Pomegranate, root bark, bgs...lb. .80 - .85

Poppy flowers, bls.....lb. .60 - .70
- Seed, Canadian, bgs.....lb. No stocks
- domestic, blue, bgs.....lb. No stocks
- Dutch, bgs.....lb. No stocks
- Indian, white, bgs.....lb. No stocks
- Turkish, futures, bgs.....lb. .32¾- .33¼
- cleaned, bgs.....lb. No stocks

Potash abietate.....lb. .08 - —
- Acetate, USP, bbls., dms...lb. .28 - .30
- cns. .....lb. .31 - .33

Arsenite,[6] USP, solut., cbys., djns..lb. .13 - .16

Bicarbonate, USP, cryst., gran., bbls., dms..lb. .19 - .21

Bichromate,[6] bbls., cks., c.l., works..lb. .09¾- —
- l.c.l., works.....lb. .09¾- .10
- Potash bichromate in bgs., ½c. less.

Bromide, USP, gran., 500-lb. bbls., dms..lb. .25 - —
- 100-lb. kgs.....lb. .26 - —

Carbonate,[6] cal., bbls., c.l., works..lb. .06½- —
- l.c.l., same basis.....lb. .06¾- —

hydrated,[6] 82-85%, bbls., c.l. works..lb. .05½- —

dms l.c.l., same basis..lb. .05¾- —

USP, gran., bbls., dms.....lb. .14 - .20
- powd., bbls., dms.....lb. .19 - .21

Caustic, flake, 88-92%, dms., c.l., works..lb. .07 - —
- l.c.l., works.....lb. .07½- —

4?% basis, dms.....lb. .06¾- .06½
- tanks .....lb. .02¾- —

liquid, dms., c.l., works, frt. alld..lb. .08 - —
- l.c.l., dms., same basis..lb. .03½- —
- tanks, same basis.....lb. .02¾- —

solid, 88-92%, dms., c.l., works..lb. .06¼- —
- l.c.l. .....lb. .06½- .06¾

Chromate,[6] bgs.....lb. .24 - .28

Chlorate,[6] cryst., kgs., c.l., works..lb. .11 - .11¾
- l.c.l., works.....lb. .119 - .13

powd., dms., kgs., c.l., works, lb. .09¾- .11¾
- l.c.l., works.....lb. .119 - .13

export, 1 to 10 tons, kgs., ex whse..lb. .16 - .18

Chloride, tech., cryst., 98%, bgs., kgs..lb. .08 Nom.

Citrate, USP, gran., bbls., dms. lb. .33½- .38½
- powd., 3c. per lb. higher.

Cyanide,[6] dms., works.....lb. .55 - —

Fluoride, bbls.....lb. .34 - .40

Glycerophosphate, 75% sol., cns., cbys..lb. 1.65 - 1.07
- dms., 1,000 lb. lots.....lb. 1.50 - —
- 100 lb. lots.....lb. 1.60 - —

Guaiacolsulphonate, NF, dms.lb 1.65 - 1.85

Hydroxide, USP, sticks, dms..lb. .34 - .36

Hypophosphite, cns.....lb. .72 - .75

Iodate, bots., 5 lbs.....lb. 3.46 - —
- cns., 25 lbs.....lb. 3.35 - —

Iodide, bots., cns.....lb. 1.44 - 1.48
- dms. .....lb. 1.35 - 1.38

Manure salt, dom.,[4] 22% K_2O, f.o.b. Carlsbad, N. M..... unit-ton. .20 - —

Potash, manure salt, dom., 22% K_2O, seasonal contract discounts to March 31, 1945, 12%.
- **25% K_2O, same basis.....** unit-ton. .21 - —

Metabisulphite, gran., bbls..lb. .19 - .21
- powd., bbls.....lb. .25 - —

Muriate, dom.,[4] 60-62-63% K_2O, bulk, ex vessel, ports..... unit-ton. .53½- —

Seasonal contract discounts to March 31, 1945, 12%.
- granular, 50-52% K_2O..... unit-ton. .53½- —

Russian,[5] future shipt., subject to safe arrival.unit-ton. .53¼- —

Domestic muriate of potash prices, basis f.o.b. Carlsbad, N. M., are 11.2c. per unit of K_2O less than ex vessel price, basis Trona, Cal.; 8c. per unit of K_2O less than ex vessel price at Pacific Coast ports.

Nitrate (see Saltpeter).

Oxalate, neutral, pure, gran., bbls., dms..lb. .37 - .50
- tech., fine gran., bbls., dms., lb. .23 - .31

Perchlorate,[6] kgs., works....lb. .09¾- .11

Permanganate, tech., dms., works..lb. .19¾- .20¼
- USP, dms., works.....lb. .20½- .21

Persulphate, dms., c.l., works. lb. .16 - —
- l.c.l., same basis.....lb. .20 - —

Prussiate, red, kgs.....lb. .50 - .53

Yellow, bbls.....lb. .16 - .17

Ricinoleate, tech., bbls.....lb. .18 - —

Silicate, glass., bgs., c.l., works, ton.200.00 - —
- l.c.l. .....100 lbs.15.25 - —

solution, 23° Be, ret. drums, c.l., works..100 lbs. 4.25 - —
- l.c.l., 5 or more, works, 100 lbs. 5.00 - —
- 1-4, works.....100 lbs. 5.50 - —

32° Be, ret. dms., c.l., works..100 lbs. 4.75 - —
- l.c.l., 5 or more, works, 100 lbs. 5.50 - —
- 1-4, works.....100 lbs. 6.00 - —

40.5° Be, ret. dms., c.l., works..100 lbs. 5.75 - —
- l.c.l., 5 or more, works, 100 lbs. 6.50 - —
- 1-4, works.....100 lbs. 7.00 - —

Sulphate, NF, gran.....lb. .14 - .20
- powd., bbls.....lb. .15 - .21

tech., dom., bulk,[6] **basis 90-95% K_2SO_4, min., 90% ex vessel, Atl. or Gulf ports.. ton.36.25 - —**

Sulphocyanide, NF, dms.....lb. .70 - .78

Xanthate, dms., c.l.....lb. .12 - —

Potash-gold cyanide, 41% gold, bots., works..oz.14.20 -14.95

Potash-magnesia sulphate, bulk,[6] **min., 40% K_2SO_4, 18.50% MgO, ex vessel, ports...ton.26.00 - —**

Potash-soda ferricyanide, kgs., works..lb. .40 - .43

Potash-titanium oxalate, bbls., dms..lb. .45 - .50

Prickly ash bark, bls.....lb. .23 - .25

Berries, bgs.....lb. .20 - .21

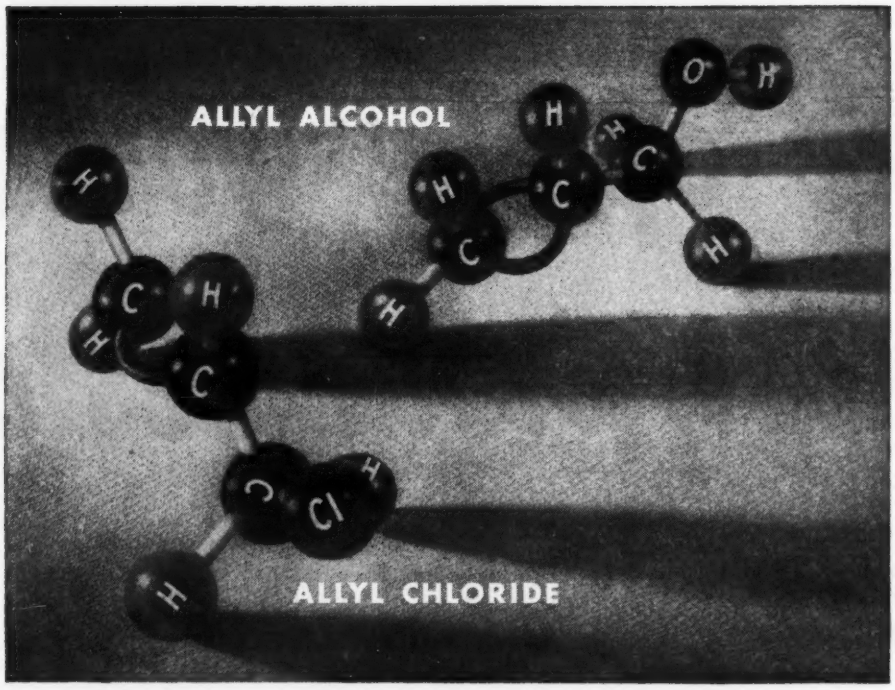
Prince's pine herb, bls.....lb. .65 - .70

Procaine hydrochloride, cns., 100-lb. lots..lb. 3.75 - —
- smaller lots.....lb. 4.25 - 4.75

Propane,[1] industrial grade, tanks, Group 3..gal. .03¾- —

Propyleneglycol,[6] dms., c.l., frt. alld. in E..lb. .15¼- —
- l.c.l., same basis.....lb. .16½- —
- tanks, same basis.....lb. .14½- —

PROGRESS REPORT ON SHELL CHEMICAL'S FORTHCOMING ALLYL COMPOUNDS



BY APRIL, 1945, it is expected that Shell's new plant at Houston will be finished and ready to begin commercial-scale manufacture of allyl alcohol and allyl chloride.

Capacity will be sufficient to meet all normal requirements for these base chemicals, which can be converted into many interesting materials.

For instance... low pressure laminating and casting resins... surface coatings... flavorings... pharmaceuticals... anaesthetics... and chemical intermediates . . . are some of the many indicated fields where one or the other of these chemicals will be found useful.

Your inquiries are invited. Perhaps we shall be able to assist with your problems.

SHELL CHEMICAL Division of SHELL UNION OIL CORPORATION
100 BUSH ST., SAN FRANCISCO 6, CALIFORNIA
R. W. GREEFF & CO. *Eastern Sales Agent* 10 ROCKEFELLER PLAZA, NEW YORK 20. TRIBUNE TOWER, CHICAGO 11

Psyllium seed (see Fleaseed).
Pulsatilla, bls.....lb. .65 - .66
Pumice, grd., fine, bgs., ton lots. lb. .03¾- —
smaller lots.....lb. .03¾- .04
coarse, 0½, 1, 1½, 2, 3, bgs., ton lots..lb. .03¾- —
smaller lots.....lb. .03¾- .04¼
Chi. ton lots.....lb. .04½- —
Pumice in bbls. is ½c. per lb. higher.
Pumpkin seed, bgs.....lb. .38 - .40
Purple lake (see Red).
Putty, com'l, dms.....100 lbs. 3.15 - —
linseed oil, raw, dms....100 lbs. 5.00 - —
refined, dms.....100 lbs. 5.50 - —
standard, dms.....100 lbs. 4.20 - —
Pyrethrum,[1,4] concentrate, dewaxed, 20% for aerosol bombs, bbls., works....gal. 9.25 - 9.50
liquid (20 to 1), basis 2 grams pyrethrins per 100 cc., bbls., works..gal. 7.15 - —
(30 to 1), basis 3 grams pyrethrins per 100 cc., bbls., works..gal. 10.65 - —
flowers, coarse-grd., 0.9% pyrethrins, bbls., works..lb. .31½- —
fine-grd., 0.9% pyrethrins, bbls., works..lb. .33¾- —
powder, 0.5% pyrethrins, bbls., works..lb. .25 - —
Pyridin,[4] denaturing, ret. dms., works, frt. equald..gal. 1.55 - 1.60
refd., 2° ret. dms., same basis. lb. .45 - .45½
Pyrites, Spanish, c.i.f. Atl. ports. long ton. 8.00 -10.00
Pyrocatechin (see Catechol).
Pyronate, dms., works.....gal. .75 - 1.25
Pyrophyllite, standard, 200 mesh, c.l., pap. bgs., mines..ton. 10.00 - —
325 mesh, same basis....ton. 13.00 - —
No. 3, 200 mesh, c.l., mines.ton. 8.00 - —
325 mesh, same basis.....ton. 11.00 - —
Pyroxylin scrap, opaque, amber, c.s., works..lb. .17 - —
black, cs., works.....lb. .17 - —
China, white, ivory, cs., works..lb. .17 - —
dense, white, cs., works..lb. .17 - —
gray, cs., works.....lb. .17 - —
mixed, mottled, cs., works. lb. .14 - —
translucent pastels, cs., wks. lb. .17 - —
transparent, cs., works.....lb. .19 - —
colors, cs., works.....lb. .17 - —
shavings, amber, cs., works..lb. .17 - —
mixed colors, cs., works...lb. .14 - —
white, cs., works.....lb. .17 - —

Q

Quassia chips, bls.....lb. .08 - .09
Quebracho extract,[1,6] solid, 63%, bgs., c.l., ex dock, in bond, based on ocean freight, $12; insurance $1 per ton. Any difference for buyers account .....lb. .05¾- .05¾
clarified, 64%, bgs., c.l., same basis..lb. .06½- .06¾
dissolved, 35% tan., bbls., works..lb. .04575- .0595
tanks, works.....lb. .04075- —
ground, 70%, bgs., c.l.....lb. .089 - —
l.c.l., bgs.....lb. .0915- —
Queen of the meadow root, bgs. lb. .11 - .13
Quercitron, crystals, bbls.....lb. .26 - —
extract, bbls., No. 1.....lb. .10 - —
No. 2.....lb. .09½- —
No. 3.....lb. .09 - —
solid, bxs.....lb. .18½- —
Quicksilver,[1] flasks (76 lbs. net) flask. 175.00 Nom.
Quince seed, bgs.....lb. 1.30 - 1.75
Quinidine,[4] NF V, cryst., cns.oz. 1.06 + .13½*
powd., precip., cns.....oz. 1.01 + .13½
Sulphate, USP, cns.....oz. .71 + .13½

* Surcharge of 13½c. per oz.; see note under Quinine.

Quinine,[4] NF, cns., 100 ozs...oz. .84 + .13½*
Acetate, cns., 100 ozs.....oz. 1.05 + .13½
Arsenate, cns., 100 ozs.....oz. 1.05 + .13½
Arsenite, cns., 100 ozs.....oz. 1.07 + .13½
Bisulphate, USP, cns., 100 ozs. oz. .60 + .13½
Citrate, cns., 100 ozs.....oz. .78 + .13½
Dihydrobromide, bots., 50 ozs. oz. .86 + .13½
Ethylcarbonate, USP, cns., 100 ozs..oz. 1.25 + .13½
Ferrocyanide, cns., 100 ozs...oz. 1.07 + .13½
Formate, cns., 100 ozs.....oz. 1.00 + .13½
Glycerophosphate, cns., 100 ozs. oz. 1.20 + .13½
Hydrochloride, USP, cns., 100 ozs..oz. .76 + .13½
Hydrochlorosulphate, cns., 100 ozs..oz. .81 + .13½
Hydroiodide, cns., 100 ozs..oz. 1.05 + .13½
Hyposulphite, cns., 100 ozs..oz. 1.07 + .13½
Phosphate, NF, cns., 100 ozs.. oz. .90 + .13½
Salicylate, NF, cns., 100 ozs. oz. .79 + .13½
Sulphate, USP, cns., 100 ozs. oz. .67 + .13½
Sulphocarbolate, cns., 100 ozs. oz. 1.05 + .13½
Tannate, USP X, cns., 100 ozs. oz. .63 + .13½
Tartrate, cns., 100 ozs.....oz. 1.03 + .13½
Valerate, NF IV, 100 ozs....oz. .99 + .13½

* Surcharge to cover present war risk insurance, ocean freight rates, and additional expenses over the cost of usual business. Change in these controlling factors will be reflected in the surcharge invoiced.

Quinine-urea hydrochloride,[4] USP, cns..oz. .81 + .13½*
Surcharge: See note under Quinine.
Quinoline, dms., c.l., works...lb. .24½- .50

R

R salt, dry, bbls.....lb. .65 - —
paste, dms.....lb. .52 - —
Raspberries, dried, bls.....lb. 1.25 - 1.30
Red, alizarin lake,[4] bbls., dlvd. N. of Tenn. and N. C., E. of Miss R., including St. Paul, Minneapolis, Davenport, Rock Island, St. Louis..lb. 1.10 - 1.90
Prices ½c. per lb. higher dlvd. Ala., Fla., Ga., La. (Shreveport, 1¼c.); Miss., N. C., S. C., Tenn., Tex. (Dallas, Ft. Worth, 1¼c.; El Paso, 2c.), Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph; 1.6c. per lb. higher dlvd. Pacific Coast prices equaled with Chicago dlvd. Denver, Pueblo, Salt Lake City, Wichita.
Cadmium lithopone, deep shade, bbls., E. Rockies..lb. 1.00 - —
light shade, bbls., same basis..lb. .85 - —
medium shades, bbls., same basis..lb. .90 - —
Red cadmium lithopone, all shades, in smaller pkgs., 5c. per lb. higher.
Carmine, 40, dms., 100-lb. lots, works..lb. 4.60 - —
smaller lots, same basis..lb. 4.75 - 5.25
Crocus Martis (see Red, purple oxide).
Red, dyes (see Dyes, red).
Eosin toner, bbls., works....lb. 1.35 - —
Firetoner, dom., bbls., works.lb. .85 - —
Indian, dom., pure, bbls., f.o.b. Bethlehem, Easton, E. St. Louis, N. Y..lb. .09¼- —
80-85%, bbls., same basis..lb. .09¾- —
imp., English, all shades..lb. .12 - —
Iron oxide, pure, bbls.....lb. .09 - .09¾
reduced, 85% copperas oxide, bbls., l.c.l., f.o.b. Bethlehem, Pa.; Copley, O.; Easton, Pa., and E. St. Louis..lb. .08¾- —
80% copperas oxide, bbls., same basis..lb. .085 - .096
Lacquer, maroon, bbls., works. lb. 1.25 - —
Lake C toner, alizarin, bbls., works..lb. .90 - —
Lithotoner, alizarin, lake, bbls., works..lb. .60 - —
Pink, bbls., works.....lb. .20 - .25
Rose lake, bbls., works....lb. .25 - .28
Lithol-rubin toner, alizarin lake, bbls., works..lb. 1.10 - —
Maroon, alizarin lake, 25%, kgs., works..lb. .40 - —
Cadmium, bbls., works....lb. 1.10 - —
deep, bbls., same basis..lb. 1.20 - —
Maroon, in smaller pkgs., 5c. per lb higher.
Mercury oxide,[2] tech., bbls., 10,000 lbs., works..lb. 2.73 - —
smaller lots.....lb. 2.75 - —
Metallic, bbls., Pa., works..lb. .02 - —
Orange, Persian (see O).
Oxide (see Red, iron oxide).
Selenide, dark, bbls., works. lb. 2.50 - —
light, same basis.....lb. 2.20 - —
Orange (see Orange).
Para[3] toner, concent., alizarin lake, kgs., works..lb. .70 - —
Red, phloxin toner (see Red, Eosin toner).
Phosphotungstic rhodamine, Y, kgs., works..lb. 4.15 - —
Purple, lake, kgs.....lb. 1.00 - —
Scarlet ink toner, kgs., works. lb. .55 Nom.
alizarin, lake, kgs., works..lb. .35 - —
Spanish oxide, grade 1, c.l., bbls..lb. .04¾- .07¾
Toluidin toner, alizarin lake, kgs., works..lb. 1.05 - —
M.N.P.T. maroon toner, kgs., works..lb. 3.25 - —
Turkey, bbls., works.....lb. .14½- —
Tuscan, bbls., E. St. L.....lb. .11 - —
Venetian, 5%, bbls., works..lb. .0220- —
10%, bbls., works.....lb. .0245- —
15%, bbls., works.....lb. .0265- —
20%, bbls., works.....lb. .02¾- —
25%, bbls., works.....lb. .03 - —
30%, bbls., works.....lb. .03¼- —
35%, bbls., works.....lb. .0360- —
40%, bbls., works.....lb. .04 - —
Vermilion, Amer., bbls.....lb. .25 - .40
Quicksilver, bbls.....lb. 2.75 - 2.88
Red precipitate,[3] NF, powd., fib. dms..lb. 2.90 - 2.92
Red saunders wood, grd., bbls.lb. .35 - —
Resorcinol, tech., dms., frt. alld. E. of Miss..lb. .68 - .75
USP, cryst., dms., 100 lbs., frt. alld. E. of Miss..lb. 1.80 - —
Rhatany root, bgs.....lb. .16 - .17
Rhubarb, whole, cs.....lb. .75 - .80
powd., bbls.....lb. .80 - .85
Riboflavin, bots., 100 grams.kilo. 200.00 - —
Rice bran concentrate, dms., Cedartown, Ga. or Emeryville, Calif., seller's option. lb. .79 - —
Rochelle salt, cryst., bbls., 5,000 lbs., 1 ship't..lb. .43½- —
smaller lots.....lb. .44 - .47
powd., bbls., 5,000 lbs., 1 ship't..lb. .42½- —
smaller lots.....lb. .43 - .46
Rose flowers, pale, bls.....lb. .45 - .50
Rosemary flowers, bls.....lb. 1.45 - 1.50
Leaves, Portuguese, bls.....lb. .11 - .11½
Spanish, bls.....lb. .13¾- .14½
Rosin, gum,[1,5]:—
B, dms., c.l.....100 lbs. 5.90 - —
D, dms., c.l.....100 lbs. 5.97 - —
E, dms., c.l.....100 lbs. 6.50 - —
F, dms., c.l.....100 lbs. 6.60 - —
G, dms., c.l.....100 lbs. 6.64 - —
H, dms., c.l.....100 lbs. 6.66 - —
I, dms., c.l.....100 lbs. 6.66 - —
K, dms., c.l.....100 lbs. 6.70 - —
M, dms., c.l.....100 lbs. 6.72 - —
N, dms., c.l.....100 lbs. 6.88 - —
W.G., dms., c.l.....100 lbs. 7.18 - —
W.W., dms., c.l.....100 lbs. 7.40 - —
X, dms., c.l.....100 lbs. 7.40 - —
Wood, F.F.,[1,5] dms., c.l.... 100 lbs. 4.32½- 4.35
l.c.l. .....lb. 4.62½- 4.65
Rotenone,[1,6] CP, bbls., works.lb. 10.00 - —
extract, liq., dms., works..... per unit. 1.05 - —
powder (see Cube root).
Rottenstone, bgs., c.l., mines.ton. 25.50 - —
l.c.l., same basis.....ton. 37.50 - —
Rue, bls.....lb. .70 - .75

S

Sabadilla seed, powd., bbls....lb. .32 - .35
Saccharin,[1] soda (soluble), dms., makers, primary distrib., 1,000 lbs. and up..lb. 1.30 - 1.35
smaller lots, same basis..lb. 1.40 - 1.60

IMAGINE delivering .50 caliber machine gun cartridges to a battery of 105 mm. cannon! Somebody would catch the devil—and it wouldn't be the enemy!

YOU'VE got to have *dependable uniformity* in solvents too. Any variation in the type of solvent you are using for a given job can easily throw your entire production out of line.

That's one of the reasons for specifying SKELLYSOLVE. A given type of SKELLYSOLVE ordered tomorrow will be identical with the same type bought yesterday. You can depend on that. In refining SKELLYSOLVE, we depend on accurate, scientific, instrumented quality control that leaves nothing to guess and hurdles the element of human error.

SKELLYSOLVE
in the **OIL, PAINT** *and* **DRUG FIELD**

The Skellysolve line includes naphthas specially fractionated for all laboratory and industrial uses. We furnish a full line of V. M. & P. naphthas, mineral spirits, and lacquer diluents, as well as many other special hydrocarbons. Our technical staff has aided many manufacturers in developing formulas for new or improved products which have proved to be of great value. Write or wire for full information today.

SKELLY

SKELLYSOLVE

SOLVENTS DIVISION, SKELLY OIL CO.
SKELLY BLDG., KANSAS CITY, MO.

Saffron, Mexican, bls.....lb. 1.20 - 1.30
Spanish, tins.....lb. 42.00 -43.00
Safrol, cns.....lb. 1.10 - 1.25

Sage,[1] Calif., Dalmatian type, bls., f.o.b. Pacific Coast..lb. .80 - .81
leucophylla, bgs., Pacific Coast lb. .45 - .50
Cyprus, good, bls.....lb. .20 - .20½
fair, bls.....lb. .16 - .16½
Greek type, fair, bls.....lb. .33 - .33½
good, bls.....lb. .38 - .38½
Palestine, bls.....lb. .16 - .16¼
Spanish, bls.....lb. .25 - .25½

Sago flour, bgs.....lb. .05 - .05¾

Salicin, bots., 5 lbs.....lb. No stocks
cns., 25 lbs.....lb. No stocks
Saligenin, dms.....lb. 15.00 -20.00

Salol, gran., bbls., kgs.....lb. .90 - —
fib. dms.....lb. .92 - .98
powder, 10c. per lb. higher.

Salt, rock, bgs., c.l.....ton. 14.20 - —
l.c.l., bgs.....ton. 17.20 -18.00
vacuum, common, fine, bgs., c.l..ton. 15.70 - —
l.c.l. .....ton. 19.60 -23.20

Saltcake, dom., bulk, works. ton. 15.00 - —
Chrome (see Chrome cake).

Saltpeter, dbl. ref. gran., bbls., 10 tons..100 lbs. 8.20 - —
smaller lots.....100 lbs. 8.35 - 8.60
powd., bbls., 10-20 tons.... 100 lbs. 9.20 - —
smaller lots.....100 lbs. 9.35 - 9.60

Sanguinarine nitrate, bots....oz. 3.75 - —
Santonin, cryst., cns.....kilo. 190.00 -200.00

Saponin, No. 1, cns.....lb. 1.75 - 1.90
No. 2, cns.....lb. 1.40 - —

Sarsaparilla root, Amer., bls..lb. .35 - .37
Honduras, bls.....lb. .45 - .50
Mexican, bls.....lb. .23 - .24

Sassafras bark, ord., bls.....lb. .40 - .45
select, bls.....lb. .60 - .65
Savory, Spanish, bls.....lb. .23 - .24
dom., bls., f.o.b. Calif.....lb. .82 - .83

Saw palmetto berries, bgs.....lb. .20 - .21

Scammony resin, lump, cns...lb. 1.30 - —
powd., cns.....lb. 1.35 - —
Root, bgs.....lb. .08 - .10

Schaeffer's salt, bgs.....lb. .46 - —

Scullcap, Eastern, bls.....lb. No stocks

Seidlitz mixture, bbls., 5,000 lbs., 1 shipment..lb. .33⅜- —
smaller lots.....lb. .34⅛- —
kegs, 5,000 lbs, 1 shipm't..lb. .34⅛- —
smaller lots.....lb. .34⅜- —

Selenium, pwd., cs., 1,000 lbs..lb. 1.75 - —
cns., 10 lbs.....lb. 1.85 - —

Senega root, spot, lbs.....lb. 1.10 - 1.15

Senna, Alex., half-leaf, bls....lb. .19 - .22
siftings, bgs.....lb. .18 - .19
Tinnevelly, No. 1, bls.....lb. .16 - .16½
2, bls.....lb. .11½- .12
3, bls.....lb. .10 - .10½
powd., bbls., bgs.....lb. .15 - .17

Pods, bls.....lb. .09 - .10

Serpentaria root, bls.....lb. 1.40 - 1.50

Sesame seed,[1] Chinese, hulled, bgs..lb. .13½- .14
Indian, hulled, recleaned, bgs. lb. No stocks
natural, bgs.....lb. .11 Nom.

Shellac, bonedry, bbls., 1,000 lbs., lots..lb. .42½- —
Boston .....lb. .43½- —
Chicago .....lb. .44 - —
Pacific coast.....lb. .46 - —
refined, bbls., 1,500-lb. lots..lb. .48½- —
Boston .....lb. .49½- —
Chicago .....lb. .50 - —
Pacific coast.....lb. .52 - —

Bonedry shellac sales of less than 1,500 lbs., at following additions to maximum prices:—(1) packed in bgs., ¾c. per lb., (2), bbls., 1c. more; (3) kgs., 3c. more.

D.C., V.S.O., Diamond I, bgs., lots of 100..lb. .4660- —
Garnet, bgs., lots of 100....lb. .3890- —
Superfine, bgs., Boston, N. Y., lots of 100..lb. .3660- —
Chicago, lots of 100.....lb. .3710- —
Pacific coast, lots of 100...lb. .3960- —

Shellac, TN, bgs., Boston, N. Y.. lots of 100..lb. .3550- —
Chicago, lots of 100.....lb. .3600- —
Pacific coast, lots of 100...lb. .3805- —

Shellac in cs., 2c. higher. Shellac sales, 1 bg. or 1 cs., 5c. additional; 1 to 9 bgs. or cs., 2c. more; 10 to 99 bgs., cs., 1c. more.

Silica, amorph., dry-grd., 325 mesh, bgs., c.l., Ill., works. ton. 17.00 - —
l.c.l., same basis....ton. 20.00 - —
400 mesh, bgs., c.l., same basis..ton. 18.00 - —
l.c.l., same basis....ton. 19.00 -20.00
wet-grd., 325 mesh, bgs., c.l., same basis..ton. 18.00 - —
l.c.l., same basis....ton. 21.00 - —
400 mesh, bgs., c.l., same basis..ton. 30.60 - —
l.c.l., same basis....ton. 35.00 -38.00
96-98%, 325 mesh, bgs., c.l., same basis..ton. 20.00 - —
l.c.l., same basis....ton. 21.50 -23.00
99%, 325 mesh, bgs., c.l., same basis..ton. 20.00 - —
l.c.l., same basis....ton. 22.00 -25.00
hard-quartz, 99½%, 325 mesh, bgs., c.l., same basis..ton. 15.50 - —
l.c.l., same basis....ton. 18.50 - —
140 mesh, bgs., c.l., same basis..ton. 11.00 - —
l.c.l., same basis....ton. 16.00 - —

Silicon tetrachloride, tech., 55-gal. dms., c.l., works..lb. .15½- —
l.c.l., works.....lb. .18½- —
10 gals., works.....lb. .27 - —

Silver bullion.....oz. .44¾- —
govt. purchase, dom.....oz. .7111- —
govt. purchase,[1] foreign...oz. .44¾- —
Cyanide, cns., 100 ozs.....oz. .41½- —
Nitrate, 100-oz. bots.....oz. .32¾- —
Nucleinate, bots., dms.....oz. .308 - .358
Proteinate, bots., dms.....oz. .288 - .328

Simarubra bark, bls.....lb. .52 - .55

Skunk cabbage root, bls.....lb. .40 - .45
Slate flour, bgs., c.l., works..ton. 11.00 -12.00
l.c.l., works.....ton. 12.00 -13.00
Sloe berries, bgs.....lb. .40 - .41
Smalt, black, ctns.....lb. .05 - .06
Blue, ctns.....lb. .07 - .08¼
Snakeroot, Canada, bls.....lb. .80 - .85
Soapbark, bls.....lb. .11¾- .12¼
crushed, bls., bbls.....lb. .13 - .14
cut, dom., bls., bbls.....lb. .16 - .19
imp., bbls.....lb. .18 - .19
powd., bbls.....lb. .16 - .17

Soda acetate, anhyd., dms., dlvd. lb. .08½- .10
l.c.l., dlvd.....lb. .06½- .06
NF, bbls., dlvd.....lb. .09½- .10

Alginate, refined, water-soluble, bbls., works..lb. .79 - —
semi-refined, bbls., works..lb. .42 - —
white, powd., dms.....lb. 1.50 - 1.80

Aluminate,[6] for water treat., bgs., c.l., works..100 lbs. 7.50 - —
l.c.l., works.....100 lbs. 8.40 - —
other uses, bgs., c.l., works. 100 lbs. 7.00 - —
l.c.l. .....100 lbs. 7.50 - 8.00

Antimoniate, bbls., dlvd.....lb. .15 - .15½

Arsenate,[6] dms., dealers, c.l., works..lb. .09½- —
l.c.l., same basis.....lb. .10¾- .11¼

Arsenite,[6] gray, dms., dealers, c.l., works..lb. .06¼- —
l.c.l., works.....lb. .09 - .10

Soda arsenite, gray, %c. higher in Chi.; 2c. higher in Houston, Tex., and Palo Alto, Calif.

Ash, dense, 58%, bgs., c.l., works..100 lbs. 1.16 - —
l.c.l., dlvd., zone 1..... 100 lbs. 2.18 - —
2 .....100 lbs. 2.33 - —
3 .....100 lbs. 2.58 - —
4 .....100 lbs. 2.98 - —
bbls., c.l., works...100 lbs. 1.35 - —
2 .....100 lbs. 2.50 - —
3 .....100 lbs. 2.75 - —
4 .....100 lbs. 3.15 - —
bulk, c.l., works...100 lbs. .95 - —
extra light, 58%, bgs., c.l.... 100 lbs. 1.18 - —
l.c.l., dlvd., zone 1..... 100 lbs. 2.13 - —
2 .....100 lbs. 2.28 - —
3 .....100 lbs. 2.53 - —
4 .....100 lbs. 2.93 - —
bbls., c.l., works....100 lbs. 1.45 - —
l.c.l., dlvd., Zone 1..... 100 lbs. 2.45 - —
2 .....100 lbs. 2.60 - —
3 .....100 lbs. 2.85 - —
4 .....100 lbs. 3.25 - —
bulk, c.l.....100 lbs. .90 - —
light, 58%, bgs., c.l., works, 100 lbs. 1.08 - 1.18
l.c.l., dlvd., Zone 1..... 100 lbs. 2.13 - —
2 .....100 lbs. 2.28 - —
3 .....100 lbs. 2.53 - —
4 .....100 lbs. 2.93 - —
bbls., c.l., works..100 lbs. 1.35 - —
l.c.l., dlvd., Zone 1..... 100 lbs. 2.35 - —
2 .....100 lbs. 2.50 - —
3 .....100 lbs. 2.75 - —
4 .....100 lbs. 3.15 - —
bulk, c.l.....100 lbs. .90 - —

Soda ash sales zones are:—(1) All States E. of Miss. R. and N. of south. bound. of Ky. and Va.; also Ala., La., and Miss., S. of 31°, Tex. E. of 100°, S. of 31°, Fla.; also Me., N. H., and Vt., in which there are special county zones; Davenport, Ia., and St. Louis; (2) Ark., E. of 98°, Ga.; Iowa (except Davenport), Minn.; Mo. (except St. Louis), Neb. E. of 98°, N. C., S. C., Tenn. and Tex. N. of 31° and E. of 100° (except Wichita Falls); also Ala., La., and Miss. No. of 31°; (3) Ark. W. of 93°, Kans., Neb., W. of 98°, N. D., Okla., S. D., Tex., W. of 100° (including Wichita Falls (excluding El Paso); (4) Ariz., Colo., Idaho, Mont., Nev., N. M., Utah, Wyo., and El Paso, Tex.

Benzoate, tech., bbls., 2 tons or more..lb. .39 - —
smaller lots.....lb. .40 - .41
USP, dms., 2 tons or more..lb. .46 - —
smaller lots.....lb. .47 - .52

Bicarbonate, tech., bgs., c.l., works..100 lbs. 1.55 - —
l.c.l. .....100 lbs. 1.90 - —
USP, gran., bgs., c.l., works. 100 lbs. 2.10 - —
l.c.l. .....100 lbs. 2.45 - —

Bichromate,[6] bbls., cks., c.l., works..lb. .07¾- —
l.c.l., works.....lb. .07½- .07¾
Soda bichromate in bgs., ½c. less.

Bifluoride, bbls., c.l., frt. alld. E..lb. .11½- —
l.c.l., same basis.....lb. .12 - .14
kgs., same basis.....lb. .12½- .14

Bisulphite, powd, bbls., c.l., works..100 lbs. 3.00 - 3.10
l.c.l., works.....100 lbs. 3.50 - 3.60
solut., 32°, bbls., c.l., works, 100 lbs. 1.30 - —
l.c.l., works.....100 lbs. 1.55 - —
30°, bbls., c.l., works..100 lbs. 1.35 - —
l.c.l., works.....100 lbs. 1.30 - —
35°, bbls., c.l., works.100 lbs. 1.40 - —
l.c.l., works.....100 lbs. 1.65 - —
40°, bbls., works.....100 lbs. 1.55 - —
l.c.l., works.....100 lbs. 1.80 - —

Bromide, USP, gran., bbls., 500 lbs., works..lb. .25 - —
fiber dms., works, 100 lbs., lb. .26 - —

Cacodylate, 5-lb. bots., works, lb. 17.00 - —

Carbonate (see Soda ash, soda monohydrate, soda sal).

Caustic, flake, powd., 76%, dms., c.l., works..100 lbs. 2.70 - —
l.c.l., Zone 1, dlvd..... 100 lbs. 3.55 - —
2, dlvd.....100 lbs. 3.70 - 5.05
3, dlvd.....100 lbs. 3.95 - 5.30
4, dlvd.....100 lbs. 4.35 - 5.70
liquid, 47-49%, buyers' tanks, works..100 lbs. 1.92½- —
sellers' tanks, works..... 100 lbs. 1.95 - —
70%, buyers' tanks, works.. 100 lbs. 1.97½- —
sellers' tanks, works.... 100 lbs. 2.00 - —
solid, 76%, dms., c.l., works, 100 lbs. 2.30 - —
l.c.l., Zone 1, dlvd..... 100 lbs. 3.15 - —
2, dlvd.....100 lbs. 3.30 - —
3, dlvd.....100 lbs. 3.55 - —
Caustic soda zones are same as soda ash.

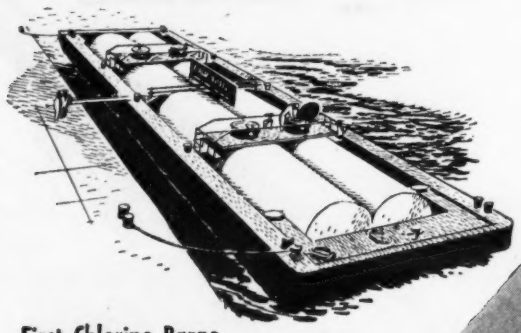
Chloride (see Salt).

Chlorate,[6] cryst., kgs., c.l., works..lb. .06¼- —
l.c.l., works.....lb. .06½- —
powd., kgs., c.l., works....lb. .06½- —
l.c.l., works.....lb. .07 - .06½

Chromate,[2,6] bbls., cks., c.l., works, frt. equald..lb. .08¾- —
l.c.l., works, frt. equald..lb. .08¾- .09½
Soda chromate in bgs. is ½c. lower.

Cinchophen, bots., dms.....lb. 3.75 - 3.85

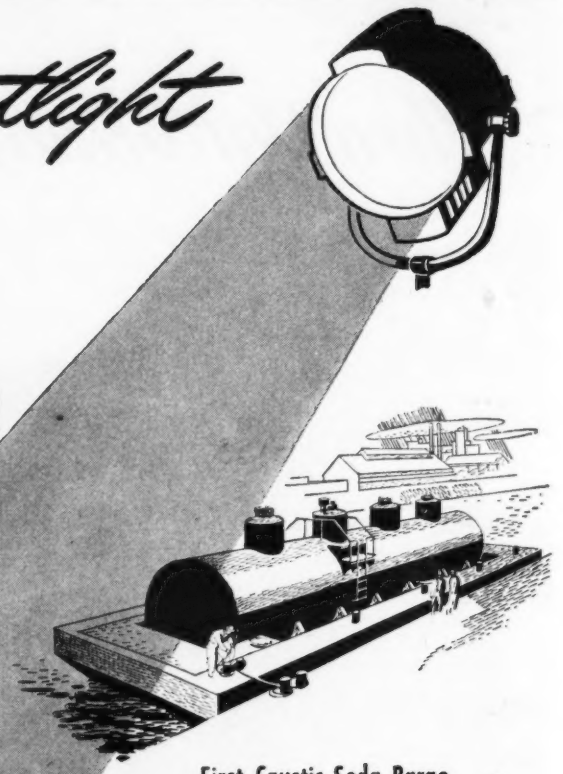
Columbia Spotlight



First Chlorine Barge

Newest development in the transportation of Liquid Chlorine is this barge, especially designed by Columbia to facilitate shipments via inland waterways. All river shipments of this chemical were previously limited to one-ton containers—a slow, tedious and costly method by comparison.

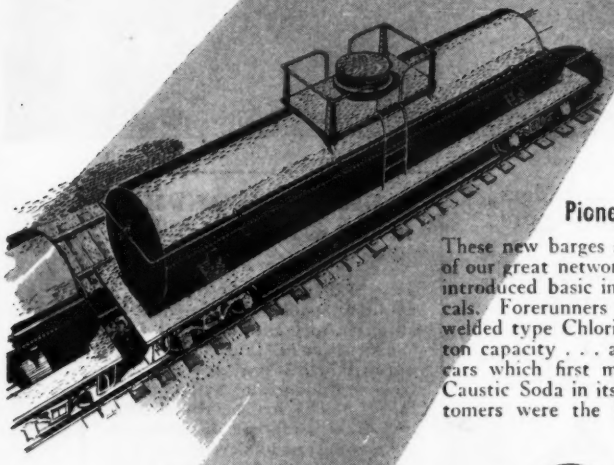
Cradling four fusion welded steel tanks in its 135-foot steel hull, the new barge has a capacity of 380 tons of Liquid Chlorine. It may be loaded or unloaded from either side; connections are so designed as to prevent manifolding of the tanks.



First Caustic Soda Barge

Another 135-foot barge has just been placed in service by Columbia. This one, the first designed specifically for Caustic Soda, will carry approximately 500 tons of Caustic Liquor. Its huge, welded tank is supported by suitable framework in a heavy steel hull.

Foamglas insulation guards the Caustic from freezing and a caustic resistant lining prevents metallic contamination of the chemical in transit.



Pioneer in Better Transportation

These new barges show the way to the more advantageous use of our great network of inland waterways. Similarly, Columbia introduced basic improvements in rail transportation of chemicals. Forerunners of these barges were Columbia's fusion welded type Chlorine tank cars . . . then Chlorine cars of 55 ton capacity . . . and the insulated and specially lined welded cars which first made possible the shipment of 73% Liquid Caustic Soda in its purest form. In every case, Columbia customers were the first to profit by these innovations.

COLUMBIA CHEMICALS

PITTSBURGH PLATE GLASS COMPANY · COLUMBIA CHEMICAL DIVISION

GRANT BUILDING, PITTSBURGH 19, PENNSYLVANIA

Chicago · Boston · St Louis · Pittsburgh · New York · Cincinnati · Cleveland · Philadelphia · Minneapolis · Charlotte · Los Angeles

COLUMBIA ESSENTIAL INDUSTRIAL CHEMICALS

Soda Ash · Caustic Soda · Sodium Bicarbonate · Liquid Chlorine · Silene EF (Hydrated Calcium Silicate) · Calcium Chloride · Soda Briquettes · Modified Sodas · Caustic Ash · Phosflake · Calcene T (Precipitated Calcium Carbonate) · Calcium Hypochlorite

Soda citrate, USP VIII, bbls.	lb.	.18½- —
dms.	lb.	.19½- .22½
USP XII, gran., bbls.	lb.	.24 - —
dms.	lb.	.25 - .29
powd., bbls.	lb.	.24½- —
dms.	lb.	.25½- .29½
Cyanide,[8] 96-98%, dms.	lb.	.14½- .15
Diacetate, 33-35% acidity, bbls., dlvd.	lb.	.09½- .10½
anhyd., dms., dlvd.	lb.	.12½- —
Fluoride, white, 90%, bbls., c.l., works.	lb.	.07 - —
l.c.l., works.	lb.	.08 - —
95%, bbls., c.l., works.	lb.	.07¼- —
l.c.l., works.	lb.	.08¼- —
Soda fluoride prices at Los Angeles are f.a.s. works.		
Formate, bgs., c.l., works.	lb.	.0655- —
l.c.l., works.	lb.	.068 - —
Glutamate, monobasic, kgs.	lb.	1.04 - 1.06
Hydrosulphite, dms., frt. alld.,	lb.	.17 - .18
Hydroxide, USP, sticks, dms.,	lb.	.24 - .26
Hypophosphite, NF, cns.	lb.	.67 - .70
Hyposulphate, NF, cryst., bbls., 1,000 lbs.	lb.	1.25 - —
dms.	lb.	1.40 - —
powdered, 5c. higher. solution. 50%, cbys., cns.	lb.	.82 - .90
Hyposulphite, cryst., bgs., c.l., works, frt. equald.	100 lbs.	2.25 - —
l.c.l., same basis.	100 lbs.	2.50 - —
pea, bgs., c.l., works.	100 lbs.	2.60 - —
l.c.l., works.	100 lbs.	2.75 - 2.95
Soda, hyposulphite, crystals in bbls., 20c. higher; pea crystals. dms., 50c. higher.		
Iodate, dms., jars.	lb.	5.40 - 5.48
Iodide, bots.	lb.	2.53 - 2.57
dms., jars.	lb.	2.42 - —
Mandelate, dms.	lb.	3.25 - 3.35
Metaniliate, bgs.	lb.	.40 - —
Metasilicate, anhyd., dms., c.l., works, frt. equald.	100 lbs.	4.00 - —
l.c.l., same basis.	100 lbs.	4.90 - 5.30
gran., bbls., c.l., works, frt. equald.	lb.	2.50 - —
l.c.l., dlvd.	100 lbs.	3.30 - 3.55
Methylate, bots., works.	lb.	1.00 - —
cns., works.	lb.	.55 - .60
dms., works.	lb.	.45 - .60
Molybdate,[8] anhyd., kgs., works,	lb.	.47 - —
Monohydrated, bgs., c.l.	100 lbs.	2.90 - —
works	100 lbs.	2.45 - —
Naphthionate, bbls.	lb.	.50 - —
Nitrate,[8] crude, dom., 100-lb. bgs., cl., works.	ton.	30.05 - —
bulk, same basis.	ton.	27.00 - —
imp., 100-lb. bgs., c.l., Atl., Gulf, Pac., whse.	ton.	33.00 - —
200-lb. bgs., same basis,	ton.	32.40 - —
bulk, same basis.	ton.	30.00 - —
refd., gran., bbls., 10 tons...	100 lbs.	3.60 - —
smaller lots.	100 lbs.	3.75 - 4.00
Nitrite, 96-98%, bbls., c.l., wks., frt. equald.	lb.	.06¾- —
West Coast ports.	100 lbs.	8.00 - 8.65
l.c.l., dlvd.	100 lbs.	8.90 -11.90
Orthosilicate, anhyd., dms., c.l., works, frt. equald.	100 lbs.	4.50 - —
l.c.l., same basis.	100 lbs.	5.45 - 5.85
flake, dms., c.l., wks.	100 lbs.	3.15 - —
l.c.l., dlvd.	100 lbs.	4.30 - 4.55
Oxalate, neut., bgs., works.	lb.	.10 - —
Pantothenate, dest., 100-gram bots.	per gram.	.10 - —
Pentachlorophenate, briquets, bgs., works, frt. equald.	lb.	.17 - .18
powd., bgs., c.l., works, frt. equald.	lb.	.16 - .16½
	lb.	.16 - .16½
l.c.l. works, frt. equald.	lb.	.17 - —
kgs., works, frt. equald.	lb.	.19 - —
Perborate,[8] NF, bbls., c.l., works.	lb.	.14¾- —
l.c.l., works.	lb.	.16½- —
Peroxide,[8] dms., c.l., dlvd. E. of Miss.	lb.	.14 - —
smaller lots.	lb.	.17 - —
Phosphate,[8] dibasic, tech., anhyd., bgs., c.l., works.	100 lbs.	6.00 - 6.25
l.c.l., works.	100 lbs.	6.50 - 7.25
cryst., bgs., c.l., works.	100 lbs.	2.55 - 2.70
l.c.l., works.	lb.	2.95 - 3.45
USP XII, gran., bbls., dms., works.	lb.	.10 - —
dried, bbls., dms., works.	lb.	.16 - —
monobasic, anhydrous, bgs., c.l., works.	100 lbs.	7.25 - 6.25
l.c.l., works.	100 lbs.	8.00 - 9.00
tribasic, anhydrous, bgs., c.l., works, frt. equald.	100 lbs.	6.00 - —
l.c.l., same basis.	100 lbs.	6.50 - —
cryst.,[8] bgs., c.l., same basis,	100 lbs.	2.70 - —
l.c.l., same basis.	100 lbs.	3.40 - —
kgs., c.l., works.	100 lbs.	3.40 - —
l.c.l., works.	100 lbs.	4.15 - —
USP (see Sodium phosphate, dibasic). Soda phosphate in bbls. is 20c. higher.		
Prussiate, yellow, bgs.	lb.	.10¾- —
bbls.	lb.	.11 - —
Pyrophosphate,[8] tetra-basic, anhyd., bgs., c.l., works, frt. equald.	100 lbs.	5.25 - —
l.c.l., same basis.	100 lbs.	5.40 - —
Ricinoleate, tech., bbls.	lb.	.12 - —
Sal, bgs.	100 lbs.	1.35 - —
works	100 lbs.	1.10 - —
bbls.	100 lbs.	1.40 - —
works	100 lbs.	1.20 - —
Salicylate, dms.	lb.	.52 - .55
Sesquicarbonate, bgs., c.l., works.	100 lbs.	1.50 - —
bbls., c.l., works.	100 lbs.	1.70 - —
l.c.l., zone 1, dlvd.	100 lbs.	2.70 - —
2, dlvd.	100 lbs.	2.85 - —
3, dlvd.	100 lbs.	3.10 - —
4, dlvd.	100 lbs.	3.50 - —
Soda sesquicarbonate l.c.l. price zones are same as those for soda ash.		
Sesquisilicate, dms., c.l., works,	100 lbs.	3.05 - —
l.c.l., dlvd.	100 lbs.	4.05 - 4.30
Silicate, 40° turbid, dms., c.l., works.	100 lbs.	.80 - —
l.c.l., works.	100 lbs.	1.05 - 1.20
tanks, works.	ton.	12.00 - —
52°, dms., c.l., works.	100 lbs.	1.40 - —
l.c.l., works.	100 lbs.	1.65 - 1.80
tanks, works.	ton.	25.00 - —
Silicofluoride, bbls., c.l., works,	lb.	.06½- .07
l.c.l., same basis.	lb.	.08 - .10
Stannate, dms., works, frt. alld. E.	lb.	.32½- .36½
Stearate, bbls., works.	lb.	.19 - .24
Sulphate, NF, dried, powd.,	bbls.	lb. .07 - .07½
tech., anhyd., bgs., bbls., c.l., works.	100 lbs.	1.70 - 1.90
5 tons or more, works..	100 lbs.	1.95 - 2.15
less than 5 tons, works.	100 lbs.	2.20 - 2.40
cryst. (see Glauber's salt).		
USP, cryst., gran., bbls.	lb.	.07 - .10
Sulphadiazin, USP, dms.	lb.	10.50 - —
Sulphamerazin, dms.	lb.	10.50 - —
Sulphathiazole, USP, dms., 1,000-lb. lots.	lb.	2.50 - —
500-lb. lots.	lb.	2.60 - —
smaller lots.	lb.	2.65 - 2.80

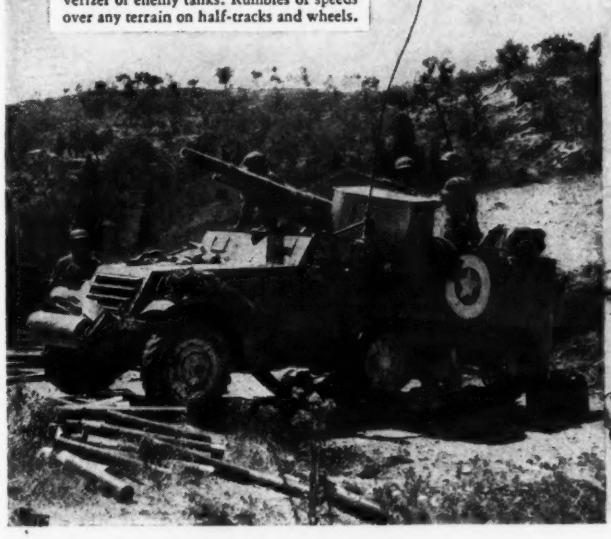
Soda sulphide, cryst., bbls., c.l., works.	100 lbs.	2.40 - —
l.c.l., dlvd.	100 lbs.	2.90 - 3.15
solid, bbls., c.l., works.	100 lbs.	3.15 - —
l.c.l., dlvd.	100 lbs.	3.65 - 3.90
Sulphite, cryst., bgs., c.l., works	100 lbs.	2.10 - —
l.c.l., works.	100 lbs.	2.35 - —
bbls., c.l., works.	100 lbs.	2.30 - —
l.c.l., works.	100 lbs.	2.55 - —
powd., bbls., c.l.	100 lbs.	5.25 - —
l.c.l.	100 lbs.	5.50 - 6.00
Sulphocarbolate, USP IX, gran., bbls., dms.	lb.	.28 - .35
powd., bbls.	lb.	.30 - .35
Sulphocyanide, CP, dms.	lb.	.55 - .65
Sulphohydrate, liquid, 38%, basis 100%, dms., c.l., works.	lb.	.05½- —
l.c.l., works.	lb.	.06 - .08
tanks, works.	lb.	.04¼- —
flake, 70-72%, dms., c.l., works	lb.	.04¼- —
l.c.l., works.	lb.	.05 - —
Sulphoricinoleate, bbls.	lb.	.12 - —
Tetrapyrophosphate,[8] anhyd., bgs., c.l., works, frt. equald.	100 lbs.	5.25 - —
l.c.l., same basis.	100 lbs.	5.40 - —
Thiosulphate (see Soda, hyposulphite).		
Tungstate,[8] tech., kgs.	lb.	1.35 - 1.50
Soda-formaldehyde sulphoxalate, stand cont. (125-250 lbs.).	lb.	.19 - .22
Solvent naphtha,[8] dms., wks. gal. tanks, E. of Omaha, frt. alld. to 2c. per gal.	gal.	.32 - —
Minnequa, Colo.	gal.	.27 - —
high-flash,[5] dms., works.	gal.	.32 - —
tanks, frt. alld. E. of Omaha to 2c. per gal.	gal.	.27 - —
Wire enamel,[8] ret. dms., c.l., frt. equalized.	gal.	.27 - —
l.c.l., same basis.	gal.	.30 - —
tanks, works.	gal.	.22 - —
Soybean meal,[1] 41%, Decatur, bulk, c.l.	ton.	45.00 - —
Protein, alpha, bgs., 40,000-60,000 lbs., works.	lb.	.20 - —
20,000-40,000 lbs., works.	lb.	.20¼- —
smaller lots, works.	lb.	.20½- .24

Sorbitol,[8] com'l, dms., c.l., works,	lb.	.14¾- —
l.c.l., works.	lb.	.15½- —
Sparteine sulphate, bots., cns.	oz.	1.60 - 1.90
Spearmint leaves, bls.	lb.	.48 - .49
Spikenard root, bls.	lb.	.33 - .34
Spruce extract, liq., reg., bbls., c.l., works.	lb.	.02½- —
tanks, works.	lb.	.01½- —
pwd., super, bgs., c.l., wks.	lb.	.04½- —
Squaw vine, bls.	lb.	.53 - .56
Squill, red, fortified, powd., bbls., bxs.	lb.	2.25 - —
White, bls.	lb.	.14 - .16
powd., bbls., bxs.	lb.	.18 - .19
St. Ignatius beans, bgs.	lb.	No stocks
St. John's bread, edible, bls.	lb.	.14½- .16
Starch, corn, pearl, bgs.	100 lbs.	4.08 - —
Chicago	100 lbs.	3.72 - —
powd., bgs.	100 lbs.	4.19 - —
Chicago	100 lbs.	3.83 - —
Potato, bgs., c.l.	lb.	.0637- —
l.c.l.	lb.	.0712- —
Rice, bgs., c.l.	lb.	No stocks
Sweetpotato, bgs.	lb.	.09 - .09¼
Wheat, thick boil, bgs.	lb.	.05 - —
Starch iodide, bots.	lb.	1.87 - —
Stearin, oleo (see Oleostearin).		
Stillingia root, bls.	lb.	No stocks
Stoneroot, bls.	lb.	.07½- .08
Storax, cs.	lb.	1.25 - 1.50
Stramonium leaves, bgs.	lb.	.21 - .22
Seed, bgs.	lb.	.20 - .21
Strontium bromide, cns., dms.	lb.	.53 - .55
Carbonate, 90%, bbls.	lb.	.14 - .16
98%, bbls.	lb.	.23 - .25
Chloride, tech., bbls.	lb.	.22 - .24
Chromate, bbls., kgs., Phila.	lb.	.35 - .37
Iodide, bots.	lb.	3.06 - 3.15
jars, 25 lbs.	lb.	3.00 - —
Lactate, dms.	lb.	1.30 - 1.35
Nitrate, bbls., c.l., works.	lb.	.07¾- —
l.c.l., works.	lb.	.08¼- .08¾

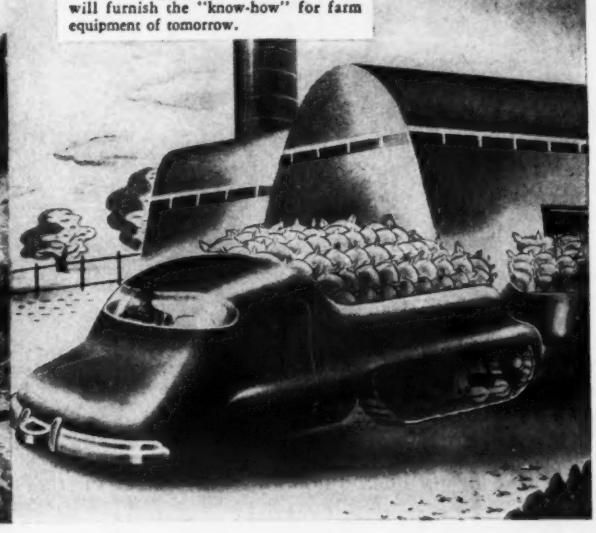
Strontium oxalate, bbls., works,	lb.	.38 - .40
Salicylate, NF, dms.	lb.	1.10 - 1.15
Sulphate, nat., 92%, min., air-floated, 300 mesh, bbls., c.l., works.	ton.	52.00 - —
l.c.l., works.	ton.	54.00 - —
Strontium-calcium sulphide, phosphorescent, dms., works.	lb.	2.50 - 2.65
Strophanthin, bots.	oz.	30.00 -50.00
Strophanthus seed, Kombe, bgs.,	lb.	2.65 - 2.70
Styrolyl acetate, bots.	lb.	2.50 - 3.10
Styrchnine, NF, cryst., cns., 100 ozs.	oz.	.70 - —
powd., cns., 100 ozs.	oz.	.60 - —
Acetate, cns., 100 ozs.	oz.	.68 - —
Arsenate, cns., 100 ozs.	oz.	.91 - —
Arsenite, cns., 100 ozs.	oz.	.88 - —
Glycerophosphate, cns., 100 ozs.,	oz.	.89 - —
Hydrochloride, cns., 100 ozs.	oz.	.88 - —
Hypophosphite, 25-oz. cns., 100	ozs.	oz. 1.00 - —
Nitrate, NF, 100 ozs.	oz.	.82 - —
Phosphate, NF, 100 ozs.	oz.	.89 - —
Sulphate, cryst., cns., 100 ozs.,	oz.	.56 - —
powd., cns., 100 ozs.	oz.	.48 - —
Sucrose octa-acetate, denat., bbls., l.c.l., works.	lb.	.45 - —
tech., bbls., l.c.l., works.	lb.	.40 - —
Sugar coloring (see Caramel coloring).		
Sugar of milk (see Milk sugar).		
Sulphadiazin, USP, 100-lb. dms.,	lb.	9.00 - —
Sulphamerazin, dms.	lb.	9.00 - —
Sulphaguanidin, 100-lb. dms.	lb.	4.50 - —
Sulphanilamid, bots.	lb.	1.35 - —
fib. dms.	lb.	.90 - 1.10
Sulphapyridin, powd., bots., tins,	lb.	5.00 - 5.30
Sulphathiazole, dms., 1,000-lb. lots.	lb.	2.50 - —
500-lb. lots.	lb.	2.60 - —
smaller lots.	lb.	2.65 - 2.80

SOLVAY*

...KEYED TO TODAY AND TOMORROW!



HYBRID TANK BUSTER!—mobile pulverizer of enemy tanks. Rumbles or speeds over any terrain on half-tracks and wheels.



THE DEVELOPMENT of tank busters and other highly mobile vehicles of war will furnish the "know-how" for farm equipment of tomorrow.

Today . . . Solvay Alkalies comprising Soda Ash, Caustic Soda and many other related products are helping to forge the ponderous tanks, carriers and half-tracks. These vital chemicals are indispensable to the metal producing and fabricating industries. Serving industry since 1881, Solvay is America's largest producer of alkalies.

Tomorrow . . . the gigantic task of feeding the world will challenge agriculture. The productive capacity of farms will be immeasurably aided by new developments in farm equipment. Manufacturers of tools and machinery will continue to look to Solvay for their chemical requirements, and for helpful technical service on their chemical problems.

SOLVAY

TRADE MARK REG. U. S. PAT. OFF.

*The Solvay Process Company employs salt, limestone and ammonia to make Soda Ash, from which basic material Caustic Soda and other alkalies are derived.

SODA ASH • CAUSTIC SODA

AMMONIUM CHLORIDE • CAUSTIC POTASH

MODIFIED SODAS • AMMONIUM BICARBONATE

SODIUM NITRITE • PARA-DICHLOROBENZENE

CALCIUM CHLORIDE • CHLORINE • SALT

POTASSIUM CARBONATE

SOLVAY SALES CORPORATION

Alkalies and Chemical Products Manufactured by The Solvay Process Company

40 RECTOR STREET NEW YORK 6, N. Y.

BRANCH SALES OFFICES:

Boston • Charlotte • Chicago • Cincinnati • Cleveland • Detroit
New Orleans • New York • Philadelphia • Pittsburgh • St. Louis • Syracuse

Sulphonethylmethane, kgs.....lb. 6.75 - 6.85
Sulphonmethane, kgs.....lb. 5.25 - 5.35
Sulphur, crude, c.l., bulk, mines, contracts..long ton.16.00 - —
f.o.b. vessels, Gulf ports, contract..long ton.17.50 - —
flour, comm'l, 99½%, bgs., c.l., works..100 lbs. 1.65 - —
l.c.l., works.....100 lbs. 2.00 - 2.15
precipitated, USP, bbls., kgs., lb. .18 - .30
refined, flour, extra fine, bgs., c.l., works..100 lbs. 2.90 - —
l.c.l., works.....100 lbs. 3.25 - 3.40
heavy bgs., c.l., works..... 100 lbs. 2.80 - —
l.c.l., works.....100 lbs. 2.95 - 3.10
light, bgs., c.l., works..... 100 lbs. 2.70 - —
l.c.l., works.....100 lbs. 3.05 - 3.20
Refined sulphur in bbls., 25c. higher.
flowers, USP, bgs., c.l., works..100 lbs. 3.05 - —
l.c.l., works.....100 lbs. 3.40 - 3.55
rock, bbls., c.l., works.100 lbs. 2.20 - —
l.c.l., works.....100 lbs. 2.55 - 2.70
roll, bbls., c.l., works..100 lbs. 2.40 - —
l.c.l., works.....100 lbs. 2.75 - 2.90
Sulphur, chloride, 55-gal. dms., c.l., works..lb. .03 - .03½
l.c.l. works.....lb. .04 - .04½
10-gal dms., c.l., works...lb. .07 - .07½
l.c.l. .....lb. .08 - .08½
Dioxide, liquid, com'l, cyls., works..lb. .07 - .09
multi-unit cars, works..lb. .04½- .06
tanks, works.....lb. .04 - —
refrigeration, cyls., works, lb. .16 - .21
Iodide, bots., jars.....lb. 3.90 - 4.11
Sumac extract, No. 1, bbls....lb. .06 - —
No. 2, bbls.....lb. .07 - —
stainless, bbls.....lb. .09 - .11

Superphosphate,[1] pulverized, run-of-pile, under 22% a.p.a., bulk, production points,
Balto..unit-ton. .65 - —
Florida .....unit-ton. .51 - .54
others .....unit-ton. .57 - .84
Delivery points, Ariz., Calif., Colo., Ida., Kans., Nev., N. M., Ore., Utah, Wash., 86½c. per unit-ton plus frt. charge from Anaconda, Mont., in excess of $8.08 per ton.
Superphospate,[1] gran., 2c. per unit-ton higher than pulverized; guaranteed 18%. 19% or 20% a.p.a., ½c. per unit-ton higher.
triple, 40% or more a.p.a., bulk, producing points, Florida... unit-ton. .63 - —
South Carolina..unit-ton. .70 - —
Tennessee .....unit-ton. .75 - —
Other States and D.C., 62c. per unit-ton plus frt. charge for 48% from E. Tampa, Fla.
Sweet basil, bls., f.o.b. Calif..lb. .98 - .99

T

Talc, dom., aluminum-flake type, grd., bgs., c.l., works..ton.14.50 -24.50
l.c.l., works .....ton.16.50 -30.00
Calif., bgs., c.l., wks..ton.17.50 -43.00
fibrous, grd., coarse, off-color, New York, bgs., c.l., works..ton.13.00 - —
fine, New York, 325 mesh, 93-94% bgs., c.l., works, ton.13.00 -16.00
98 - 99.5%, bgs., c.l., works..ton.15.25 -19.25
99.85-99.95%, bgs., c.l., works..ton.17.00 -21.00
Pennsylvania, bgs., c.l., works..ton.11.00 -13.50
l.c.l., works.....ton.12.00 -14.50
Vermont, bgs., c.l., works, ton.14.00 - —
l.c.l, works.....ton.15.00 - —
imp. Canada, bgs., c.l....ton.24.00 -30.00

Tallow,[1,5] edible, tanks.....lb. .09¾- —
inedible, extra, loose.....lb. .08¾- —
special, loose .....lb. .08½- —
sulphonated, 35% (24% fat). dms., c.l..lb. .05¾- —
50% (43% fat), dms., c.l....lb. .06¾- .07
50% (48% fat), dms., c.l....lb. .07¾- .07½
Tallow, sulphonated, l.c.l., ½c. higher.
Tamarind, bbls. .....lb. .13 - .14
Tankage,[1] animal, feed, 9-11% ammon., bulk..unit-ton. 5.53 - —
Chicago .....unit-ton. 5.53 - —
fert. grd., 9% ammon., 10% b.p.l., bulk..unit-ton. 4.00 & .10
10-11% ammon., 15% b.p.l., bulk. Chicago..unit-ton. 4.00 & .10
Tapioca flour,[1,5] Brazil, bgs..lb. .06½- .07¼
Java, bgs. .....lb No stocks.
Tar acid oil,[1,6] 15-18%, dms., c.l., works..gal. .26½- .27½
l.c.l., works .....gal. .28½- .29¾
25%, dms., c.l., works....gal. .30 - —
l.c.l., works .....gal. .32 - —
Tar, pine (see Pinetar).
Tara, powd., dlvd. N. Y.....ton.120.00 - —
Tarragon herb, bgs..... ...lb. 1.40 - 1.50
Tartar emetic, tech., gran. or powd., bbls., kgs..lb. .47¾- .48
dms. .....lb. .48½- .51
USP, powd., bbls., dms., kgs., lb. .52¾- .56
Terpin hydrate, com'l, bbls., c.l., lb. .75 - .80
l.c.l. .....lb. .25 - .25½
USP, cryst., bbls., dms....lb. .70 - .75
powd., bbls., dms.....lb. .75 - .80
Terpineol, alpha (see A).
com'l, dms., c.l., South.....lb. .13½- —
l.c.l., South .....lb. .14 - —
tanks, South.....lb. .13 - —
pure, dms.....lb. .34 - .50
Terpinyl acetate, extra, cns., dms..lb. .90 - 1.15
prime, cns., dms.....lb. .75 - 1.05
Terpinglycol ether, dms. (extra), c.l., works..lb. .19½- —
l.c.l., works .....lb. .20 - —
tanks, works .....lb. .19 - —
Terra alba (see Gypsum
Tetrachloroethane, dms., wks.lb. .08 - .08½

Tetrachloroethylene, NF VI, 55-gal. dms., works..lb. .20 - .21½
smaller dms., works.....lb. .23½- .25½
tech. (see Perchloroethylene).
Tetrallin, dms. .....lb. .19 - —
Tetrasodium pyrophosphate (see Soda pyrophosphate).
Thallium sulphate, 90%, bots., works..lb.12.50 - —
Theobromine,[1,5] makers, primary distrib., dms., 25-lb. lots.lb. 2.80 - —
smaller lots .....lb. 2.90 - 3.00
Thiamine hydrochloride, bots., dms., 100 grams..kilo.160.00 - —
Thiocarbanilide, dms. .....lb. .24 - —
Thiourea, CP, dms.....lb. .55 - .56
Thorium nitrate, cs., works..lb. 2.00 - —
Thyme,[1] California, French type, lbs., f.o.b. Pacific Coast..lb. .82 - .84
Spanish, bls.....lb. .16¾- .17¼
Thymol, cns. .....lb. 2.40 - 2.75
Iodide, dms. .....lb. 3.40 - 3.60
Timbo root,[2,5] (see Cube root).
Tin chloride,[5] anhydrous.....lb. No stocks.
Crystals,[5] bbls., bgs.....lb. No stocks.
Metal,[1,5] Straits .....lb. .52 - —
Oxide,[5] bbls. .....lb. .54 - .55
Tetrachloride,[5] anhyd., dms., works..lb. .31 - .33
Titanium dioxide,[1,5] chalk resistant, bgs., c.l., dlvd..lb. .15 - —
l.c.l., 5 tons one deliv., dlvd..lb. .15½- —
smaller lots, dlvd.....lb. .15½- .16¾
nonchalking,[1,5] bgs., c.l., dlvd. E..lb. .16½- —
l.c.l., 5 tons one deliv., dlvd..lb. .16¾- —
smaller lots, dlvd..lb. .17 - .17¼
plain,[5] bgs., c.l., dlvd.....lb. .14½- —
l.c.l., 5 tons one delivery, dlvd..lb. .14¾- —
smaller lots, dlvd....lb. .15 - .15¼
Hydride, cns., works.....lb. 7.00 - 8.00
Pigment, barium base,[1,5] bgs., c.l., dlvd..lb. .05¾- —
l.c.l., dlvd. .....lb. .06 - —
calcium base,[1,5] bgs., c.l., dlvd..lb. .05½- —
l.c.l., dlvd. .....lb. .05¾- —
calcium-rutile base,[1,5] bgs., c.l., dlvd..lb. .05½- —
l.c.l., dlvd. .....lb. .05¾- —
magnesium base,[1,5] bgs., c.l., dlvd..lb. .05¾- —
l.c.l., dlvd.....lb. .06 - —
Titanium dioxide and pigment in bbls., ¼c. higher; Pac. cst. ¼c. higher, c.l., dlvd., l.c.l., ex whse.
Tetrachloride, CP, 55-gal. dms., works..lb. .57 - —
smaller pkgs., works....lb. .65 - 1.22
technical, 55-gal. dms., works, lb. .32 - —
smaller pkgs., works....lb. .40 - 1.00
Tolu balsam, cns. .....lb. .78 - .82
Tolidin base, distilled, kgs....lb. .96 - —
Toluene (see Toluol).
Toluol[5] (toluene), 2° indus., dms., return, works..gal. .33 - —
tanks, E. of Omaha, frt. alld. to 2c. per gal..gal. .28 - —
West Minnequa, Colo.gal. .28 - —
1° nitration, ret. dms., works, gal. .34½- —
tanks, E. of Omaha, frt. alld. to 2c. per gal..gal .29½- —
West Minnequa, Colo.gal. .29½- —
Tonga, 50% bark and vine, bbls.lb. .90 - .91
Tonka beans, Angostura, cks..lb. 1.50 - 1.60
Brazilian, Surinam, cs....lb. .80 - .85
Totaquine,[1,5] USP XII, 100 ozs. oz. .52 - —
Triacetin, dms., works.....lb. .27 - .32
Triamylamine, dms., c.l., works, lb. .98 - —
l.c.l. .....lb. 1.01 - —
Tributyl citrate, 475-lb. dms..lb. .29 - .31
smaller pkgs.....lb. .34 - .40
Phosphate, dms., l.c.l., dlvd..lb. .47 - —
cns., works.....lb. .51 - —
Tributylamine, dms., c.l., works, lb. .78 - —
l.c.l. .....lb. .81 - —
Trichlorobenzene, dms., c.l., frt. alld..lb. .08 - —
l.c.l., same basis.....lb. .08½- —
tanks .....lb. .07½- —
Trichloroethane, dms., c.l.....lb. .16 - —
l.c.l. .....lb. .17 - —
Trichloroethylene,[6] dms., c.l., works, Zone 1, frt. alld...lb. .08 - —
Zone 2, same basis.....lb. .08½- —
Zone 3, same basis.....lb. .09 - —
Zone 4, ex whse.....lb. .09 - —
Trichloroethylene, l.c.l. prices, ½c. higher. Zones are—(1) Conn., Del., Ill., Ind., Ia., Ky., Me., Md., Mass., Mich., Minn., Mo., N. J., N. Y., N. C., Ohio, Pa., R. I., Tenn., Vt., Va., W. Va., Wis., Omaha, K. C., Kan.; (2) Ala., Ark., Fla., Ga., Kan., La., Miss., Neb., N. D., Okla., S. C., S. D.; (3) Col., Mont. (E), N. M., Tex., Wyo.; (4) Ariz., Cal., Idaho, Mont. (W), Nev., Ore., Utah, Wash.
Tricresyl phosphate,[6] CP, cns., works..lb. .43½- .54½
dms., c.l., dlvd.....lb. .37½- —
l.c.l., dlvd.....lb. .40½- —
tech., cns., works.....lb. .28½- .45½
dms., c.l., dlvd.....lb. .25 - .31
l.c.l., dlvd.....lb. .28½- .31½
tanks, dlvd.....lb. .24 - .30
Triethanolamine,[6] dms., c.l., frt. alld. in E..lb. .19½- —
l.c.l., same basis.....lb. .20½- —
tanks, same basis.....lb. .18½- —
Triethyl phosphate, cns.....lb. .40 - —
Triethylamine, dms., works....lb. 1.16 - —
Triethyleneglycol,[6] dms., c.l., frt. alld. in E..lb. .18½- —
l.c.l., same basis.....lb. .19½- —
tanks, same basis.....lb. .17½- —
Trimethylamine, dms., c.l., dlvd. lb. .85 - —
l.c.l., dlvd.....lb. .90 - —
Trimethylolpropane, bbls.....lb. .65 - —
Triphenyl phosphate,[2] bbls.....lb. .31 - .32
Tripoli, air-floated, bgs., c.l., works..ton.21.50 - —
double grd., bgs., c.l., works.. ton.17.50 - —
once-grd., bgs., c.l., works..ton.16.00 - —
Trisodium phosphate (see Soda phosphate, tribasic).
Tuba root,[2,4] (see Derris root).
Tungsten metal, powd.,[3] 99-99.7%, dms., works..lb. 2.60 - 5.40
Oxide, kgs.....lb. No prices
Turmeric root, Alleppey.....lb. .12 - .12½
Haitian, New Orleans, bls...lb. .09 - .09¼
Madras, bgs.....lb. .12 Nom.
Turpentine, gum, ret. dms...gal. .89 - .90
sulphate-wood, ret. dms., c.l., gal. .63½- .76
tanks .....gal. .57½- .62¼
wood, d.d., dms., East.....gal. .65 - .70
tanks .....gal. .60 - —
steam-dist.,[1] ret. dms.....gal. .80 - .83
tanks .....gal. .74 - .78

U

Unicorn root, false (see Helonias root).
True (see Aletris root).
Uranium,[6] oxide, black, bgs....lb. 2.55 - —
yellow, kgs.....lb. 1.65 - —
Urea, dom., 46% N., bgs., c.l., works or ship. pts..ton.75.00 - —
l.c.l., ship. pts.....ton.77.50 -85.00
import, pure, cs.....lb. .12 - —
Fertilizer comp., 42% N., bulk, c.l., works or A. or G. ports, ton.57.40 - —

An Enameling Improvement ready *now!*

THE Titanium Alloy Manufacturing Company announces a new titanium alloy enameling steel which offers improved quality and reduced cost to the manufacturers of vitreous enameled products.

This new steel has exceptional ductility, being in this respect at least equal to the best deep drawing steels previously known. It also has superior resistance to sagging at enameling temperatures.

Tests conducted in many different laboratories have indicated that the use of titanium alloy enameling steel virtually eliminates primary boiling because of the fact that the carbon in the steel has been stabilized by the titanium. This indicates that ground coat can be eliminated, assuring greater uniformity of finished product and reducing rejects and re-operations very substantially. It permits furthermore the application of lighter coats of enamel with the consequent reduction in cost and improvement in appearance and wearing qualities of many enameled articles.

There are many additional features of interest to both steel producers and manufacturers of enameled products.

A member of our Technical Staff will be glad to go over details with you at your convenience. Send us a card for prompt action.

* * *

Pending patent applications on the new enameling process and product made thereby are owned by Inland Steel Company and The Titanium Alloy Manufacturing Company under Trust Agreement.

THE MERIT MARK OF METAL — TAM METALLURGICAL ALLOYS

THE TITANIUM ALLOY MANUFACTURING COMPANY

Executive Offices: 111 BROADWAY, NEW YORK *General Offices and Works:* NIAGARA FALLS, N. Y.

Urea-ammonia liquor (A and B), free ammonia content, f.o.b. Belle, W. Va., freight equalized with Hopewell, Va. ..ton.50.00 - —
Urea-ammonia liquor (A and B), fixed ammonia content, f.o.b. Belle, W. Va., freight equalized with Hopewell, Va., NH_3 .....ton.112.80 - —
usual Atla. and Gulf ports, NH_3..ton.116.80 - —

C and D prices are $1.20 per ton of nitrogen higher than the A and B respectively for the same destinations.

Uva ursi leaves, bls.....lb. .19 - .20

V

Valerian root, NF, bls.....lb. .55 - .60
Valonia, beards, bgs., f.a.s...ton. No prices
Cups, bgs., f.a.s.....ton. No prices
Vanadium pentoxide, CP, bgs., cns., works..lb. 7.00 - —
tech., dms., works.....lb. 1.10 - —
Vanilla beans,[1] Bourbon, tins.lb. 7.75 - 8.50
Mexican, cuts, tins.....lb. 9.50 -10.00
whole, tins.....lb.10.50 -11.00
Tahiti, white label, tins...lb. 3.50 - 3.75
yellow label, tins.....lb. 3.25 - 3.50
West Indian, tins.....lb. No stocks
Vanillin,[1] makers, primary distrib., tins, ex eugenol, 25 lbs. or more..lb. 2.60 - —
smaller lots.....lb. 2.65 - 2.75
ex guaiacol or lignin tins, 25 lbs. or more..lb. 2.35 - —
lignin tins, 25 lbs. or more, lb. 2.35 - —
Venice turpentine, artif., cns..lb. .24 - .25
Verdigris, bbls., bgs.....lb. .22 - .23
Vinyl acetate,[6] cbys., works...lb. .25 - —
dms., c.l., works.....lb. .15 - —
l.c.l., works.....lb. .16 - —
smaller pkgs., works...lb. .25 - —
Ether, 75 c.c., less 20% and 20%..bot. 1.50 - —
50 c.c., same basis...bot. 1.05 - —
25 c.c., same basis....bot. .65 - —
Trichloride (see Trichloroethane).
Vinylpyridin, ret. dms., works.lb. 1.50 - —
Viosterol (irradiated ergosterol), mil. units. .10 - .14
Vitamin A (see Oils, codliver, halibut-liver).
B_1 (see Thiamine hydrochloride).
Vitamin B_2 (see Riboflavin).
B complex, natural (see Rice bran and Yeast).
C (see Acid, ascorbic).
D (see Oils, codliver, halibut-liver, viosterol)
E (see Alpra tocopherol).
G (see Riboflavin).
P-P (see Acid, nicotinic, and Nicotinamide)
Violet, methyl, toner (see M).
V.M.P. naphtha (see Petroleum, naphtha, v.m.p.).

W

Wahoo, root bark, bls.....lb. .55 - .60
ton.53.00 - —
Wattle bark,[1] E. African, bgs., f.a.s..ton.53.00 - —
So. Afr., bgs., f.a.s.....ton.53.00 - —
extract,[1] liquid, 35% tannin, bbls., works..lb. .05¼- .06¼
tanks .....lb. .04¾- .05¼
solid, So. Afr., 62% tannin, ex dock..lb. .0672- .0597
E. Afr., 61% tannin, ex dock. lb. .05595- .05845
Wax, Bayberry, bgs.....lb. No stocks
Bees,[1] bleached, USP, white, bricks, bgs., ton..lb. .58 - —
discs or cakes, bgs., ton, lb. .60 - —
ctns., ton.....lb. .61 - .63
slabs, bgs., ton.....lb. .57 - —
yellow, crude, African, bgs., ton..lb. .40 - —
up to 1 ton.....lb. .41 - —
100-200 lbs.....lb. .43 - —
Cent. or So. Amer., sunbleachable, bgs., ton..lb. .44¾ Nom.
unbleachable, bgs., ton, lb. .41½ Nom.
ref'd, USP, bricks, bgs., ton, lb. .53½- —
dics., bgs., tons.....lb. .55½- —
ctns., ton.....lb. .56½- .58½
rounds or squares, bgs., ton..lb. .57½ —
ctns., ton.....lb. .58½- .60¼
slabs, bgs., ton.....lb. .52½-
Candelilla,[1] crude, bgs., ton..lb. .35 - .36
smaller lots.....lb. .35½- .44½
Candelilla, powdered, 20 mesh, 5c. per lb. extra; 80 mesh, 5½c.; 100-200 mesh, 6c.
refined, bgs., ton.....lb. .44 - —
smaller lots.....lb. .45 - .54
Carnauba,[1] chalky, No. 3, bgs., ton lots..lb. .71¼- —
smaller lots.....lb. .72¼- .81¼
North Country, No. 2, bgs., ton lots..lb. .75¾- —
smaller lots.....lb. .76¾- .85¾
No. 3, bgs., ton.....lb. .73½- —
smaller lots.....lb. .74½- .83½
refined, bgs., ton.....lb. .76¾- .80
smaller lots.....lb. .77¾- .90
yellow, No. 1, bgs., ton....lb. .83¼- —
smaller lots.....lb. .84½- .93¼
No. 2, bgs., ton.....lb. .81½- —
smaller lots.....lb. .82¼- .91¼
No. 3, bgs., ton.....lb. .79 - —
smaller lots.....lb. .80 - .89
carnauba wax, powdered (same differentials as candelilla).
Ceresin, dom., 138°-140° m.p., bgs., ton..lb. .13½- .14
jobbing lots.....lb. .14½- .15
150°-160° m.p., bgs., 1 ton, lb. .15½- .16
jobbing lots.....lb. .16½- .17
160°-170° m.p., bgs., 1 ton.. lb. .16½- .17
jobbing lots.....lb. .17½- .18
Japan, cs.....lb. No stocks
Micro-crystalline, 170°-175° m.p., A.S.T.M., amber, ctns., 30 tons yearly, contract, group 3, works..lb. .14½- —
smaller lots.....lb. .14½- .15¼
black, ctns., 30 tons, same basis..lb. .12¾- —
smaller lots.....lb. .13 - .13¾
190°-195° m.p., A.S.T.M., amber, ctns., 30 tons, same basis..lb. .16½- —
smaller lots.....lb. .16½- .17½
black, ctns., 30 tons, same basis..lb. .14¾- —
smaller lots.....lb. .15 - .15¾
white, ctns., 30 tons, same basis..lb. .28¾- —
Montan, domestic., bgs.....lb. .30 - —
Ouricury,[1] bgs., ton.....lb. .49½- .51¾
smaller lots.....lb. .50½- .61¾
refined, bgs., ton.....lb. .62 - —
smaller lots.....lb. .63 - .72
powdered ouricury prices same as candelilla.
Paraffin (see under P).
Spermaceti, blocks, cs.....lb. .26 - .27
cakes, cs.....lb. .27 - .28
White lead (see Lead, white).
White pine bark, rossed, bls..lb. .15 - .16
White precipitate,[2] powd., dms., 50 lbs. or more..lb. 2.60 - —
Whiting, chalk, dry-grd., bgs., c.l..ton.18.00 -22.00
l.c.l. .....ton.20.00 -24.00
wet-ground, bgs., c.l.....ton.21.00 -25.00
l.c.l. .....ton.25.00 -29.00
gilders, bolted, bgs., c.l.ton.20.00 -24.00
l.c.l. .....ton.21.00 -25.00
extra-bolted, bgs., c.l..ton.22.00 -26.00
l.c.l. .....ton.23.00 -27.00
Paris white, bgs., c.l.....ton.24.00 -28.00
l.c.l. .....ton.25.00 -29.00
Limestone, dry-grd., 325 mesh, bgs., 40 tons, N. E., works, ton. 6.00 - —
smaller lots, N.E., wks, ton. 7.00 - 9.00
wet-grd., air-floated, 300 mesh., 99¾%, bgs., c.l..ton. 9.35 -10.10
200 mesh, bgs., c.l.....ton. 8.60 - 9.50
90% bgs., c.l.....ton. 6.25 - 7.00
water-floated, extra gilders, bgs., c.l..ton.13.00 - —
gilders, bgs., c.l.....ton.12.45 - —
putty grade, bgs., c.l..ton.12.00 - —
Precipitated, bgs., c.l.....ton.14.00 -15.00
l.c.l. .....ton.18.00 -20.00
Wild cherry bark, thick, bls..lb. .06 - .07
tin, natural, bgs.....lb. .17 - .18
rossed, green, bls.....lb. .26 - .28
Wild indigo root, bls.....lb. .17 - .18
Witch-hazel extract, dist., NF, bbls..gal. .70 - .75
Leaves, bls.....lb. .14 - .15
Witherite (see Barium carbonate, natural).
Woodflour, 40 mesh, bulk, c.l., N. Tonawanda, N. Y..ton.20.00 - —
60 mesh, same basis.....ton.24.00 - —
80 mesh, same basis.....ton.27.00 - —
100 mesh, same basis.....ton.30.00 -52.00
Woodflour, in bags, 25c. each extra, returnable.
Wormseed, American, bgs.....lb. .20 - .23
Levant .....lb. 4.50 - 4.75
Wormwood, bls.....lb. .30 - .50

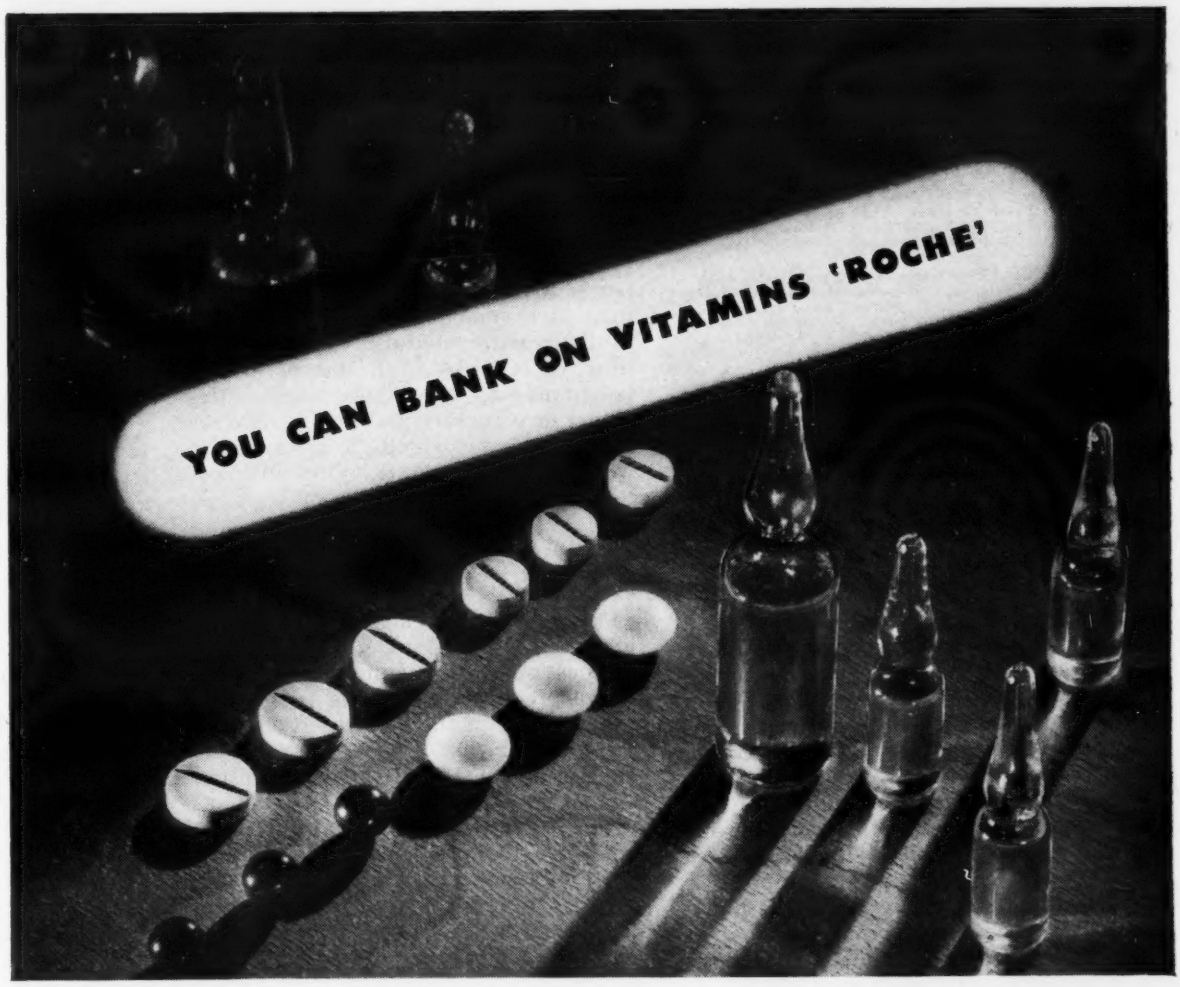
X

Xanthorrhiza, bls.....lb. .24 - .25
Xylene (see Xylol).
Xylol,[6] (xylene), indus., ret., dms., works..gal. .32 - —
tanks, E. of Omaha, frt. alld. to 2c. per gal..gal. .27 - —
West, Minnequa, Col....gal. .27 - —
10°, ret., dms., works.....gal. .35 - —
tanks, E. of Omaha, frt. alld. to 2c. per gal..gal. .30 - —
5°, ret., dms., works.....gal. .42 - —
tanks, E. of Omaha, frt. alld. to 2c. per gal..gal. .37 - —
3°, ret., dms., works.....gal. .47 - —
-tanks, E. of Omaha, frt. alld. to 2c. per gal..gal. .42 - —
Xylol petroleum solvent, ret. dms., No. N. J..gal. .26 - —
Xylidin, mixed, dms.....lb. .85 - .86

Y

Yara yara, cryst., bots., cns...lb. 1.90 - 2.00
Yeast, brewer's, dry, 50 B units, dms..lb. .35 - —
90 B units, dms.....lb. .45 - —
200 B units, dms.....lb. .50 - —
300 B units, dms.....lb. .60 - —
Yellow, barium chromate, CP, bgs., l.c.l., divd. N. of Tenn. and N. C. E. of Miss. R., including Davenport, Minneapolis, Rock Island, St. Louis, St. Paul..lb. .22 - —
Barium chromate price differentials on deliveries in the various other State and city zones are the same as those for chrome yellow, which are set forth below.
Benzidin, bbls., divd.....lb. 1.35 - 2.25
Cadmium, CP, import, bxs...lb. 1.35 - 1.40
Yellow, chrome, CP, bbls., divd. N. of Tenn. and N. C., E. of Miss. R., includ. Davenport, Minneapolis, Rock Island. St. Louis, St. Paul, contracts..lb. .16 - —
Chrome yellow prices are ½c. higher, divd. Ala., Fla., Ga., La. (Shreveport, 1¼c.), Miss., N. C., S. C., Tenn., Tex. (Dallas), 1¼c.; Ft. Worth, 1½c.; El Paso, 2c.). Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph, 1.6c. higher divd. Pac. Coast; for Denver, Pueblo, Salt Lake City, Wichita, prices are equalized with Chicago.
Dutch, pink, bbls.....lb. .09 - .11
Hansa, bbls., same basis as chrome..lb. 1.37 - —
primrose, bbls., same basis.lb. 1.75 - —
Lithopone, bbls., ton lots, E. of Rockies..lb. .55 - —
smaller lots, same basis..lb. .65 - —
sulphide, orange, cs., kgs., works..lb. 1.10 Nom.
Mercury oxide, bbls., 1,000 lbs., lb. 2.56 - —
smaller lots.....lb. 2.58 - —
Ocher, American, golden, bbls., worth..lb. .04½- .06¼
yellow, bbls., works.....lb. .02 - .02¼
French type, bbls., c.l.....lb. .0345- —
l.c.l. .....lb. .0365- —
Oxide, iron, nat., bbls., c.l., f.o.b. Bethlehem, Easton, Pa..lb. .04½- —
l.c.l., same basis.....lb. .05 - —
synth, bbls., c.l., works....lb. .0685- —
l.c.l., works.....lb. .071 - —
Persian orange (see O).
Zinc,[6] bbls., same basis as chrome..lb. .15 - —
Navy spec. type, bbls., contracts..lb. .15 - —

—*Continued on page* 45

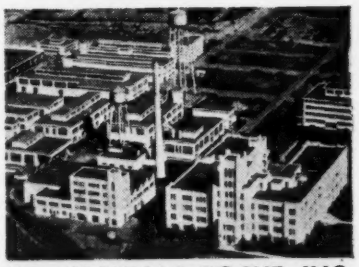


MADE FOR THE PHARMACEUTICAL INDUSTRY WITH SCIENTIFIC PRECISION

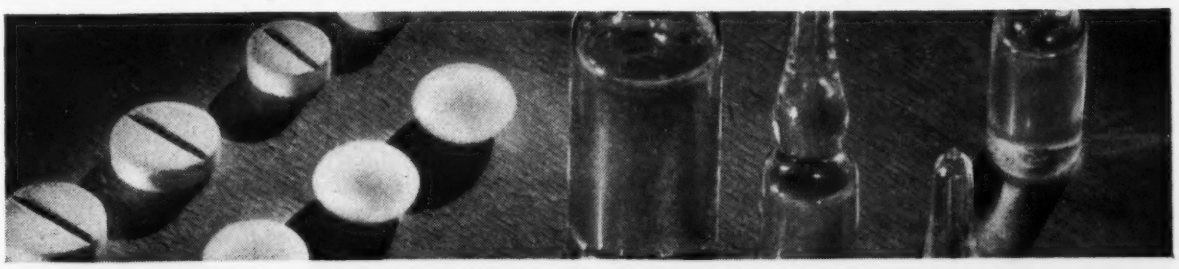
Whatever the vitamin products you manufacture, you can rely on Hoffmann-La Roche for bulk vitamins which embody the utmost in scientific knowledge and skill—vitamins *made with pharmaceutical elegance.*

As a pioneer in the investigation of vitamins, now a world's leading producer making them by the tons, we accord every step in their production and control the unremitting precision of which the trade-mark 'Roche' is a guarantee.

Remember this when you send your next order to Roche Park for thiamine hydrochloride, riboflavin, ascorbic acid, pyridoxine hydrochloride, alpha-tocopherol acetate, nicotinic acid, nicotinamide, calcium pantothenate.



HOFFMANN-LA ROCHE, INC.
Vitamin Division, Nutley 10, N. J.



OPD—2-19-1945 32

"And Freedom's banner streaming o'er us"

Oil, Paint and Drug Reporter

Founded October 18, 1871, by
William O. Allison
Directed, 1900-1942, by Harry J. Schnell

Published every Monday in New York by

SCHNELL PUBLISHING COMPANY, INC.

59 John Street, New York 7, N. Y., U. S. A.
Telephone REctor 2-9820. Cable Address Reporter New York

William S. Auchincloss, President and Treasurer; Jean Schnell Auchincloss, Vice-President; Hugh Craig, Vice-President; Burr Price, Vice-President; M. B. Powers, Assistant Treasurer; A. L. Koch, Secretary.

Incorporating the Drug, Paint and Oil Trade, The New York Drug Bulletin, The Weekly Drug News, the New York Druggists' Price Current, The Soap Makers Journal, the Oil and Paint Review, and International Petroleum Reporter.

Annual subscription rates, including postage, in the United States and possessions, Cuba, Mexico, Central America and South America, $5.00; Canada and Newfoundland, $7; other countries, $10.00; single copies, 25 cents each.

Member of Audit Bureau of Circulations.

Entered at the Post Office at New York as second-class matter January 15, 1884, under the act of March 3, 1879.

Copyright, 1945, by
Schnell Publishing Company, Inc.

Volume 147 February 19, 1945 Number 8

Letting Things Ride

The war has gone better for the United Nations over the past few weeks. There has been a further slowing up of congressional action in the direction of legislation to allocate an adequate supply of manpower to the fighting and the furnishing functionings of war. These two conditions are not merely coincidental. The lawmakers who purport to work for the American people know that they owe their jobs to active, articulate minorities. They grasp at anything that looks like a straw in their endeavor to keep out of the whirlpool that would be started by the drafting of union or agricultural laborers for jobs other than of their own choosing. As long as there is a possibility of maintaining the war at a satisfactory stage, even though that be static, voters will not be voted into the job by their votees. And still people ask why Russia gets so much of what it asks in the way of postwar settlements!

Two things are to be added to the progress of the war as influential in the cooling of Congress toward fight-or-work-for-war legislation. One of these is the failure of the attempt to protect statutorily mandated warworkers against the levying of tribute by labor unions. Congress must be given credit for objecting to the demands that warwork be closed-shop. But, in this, as in many other matters, its objections so far are wholly negative in results. It may be better to have no national service law than to have one that sets up two masters.

The other congressional refrigerant is the charge that manpower is being hoarded, featherbedded, and otherwise wasted in warworking plants. It is to be believed that the prevalence of this waste has been greatly exaggerated. But, the fact of its mere existence offers a straw which will be grasped most avidly in the congressional floundering for an "out" from the threats of constituential wrath.

This is a matter for business management to handle. Some improved form of the excellently reasoned but inadequately practiced collaboration for which management-labor committees are designed, is needed. The prime essential in the clearly indicated procedure is the construction of a suitable and satisfactory program by those at the top of representative groups of management and of labor.

Legislation should not be necessary to secure universal, wholehearted contribution of head and hand to the needs of war. There can, however, be no denying that voluntary contributing falls short of adequacy: particularly is it not adequate in its representation, although it may suffice to finish the big job of war without too much overtime. A numerically small but influentially potent portion of suitable labor has not gone to war either in fighting or in working. It must be admitted that this could not be so if there were not in management a number who are willing, even eager, to keep these potential warworkers in other jobs.

Congress is dilatory in a national duty when it defers the responsibility of providing a means of supplying the manpower needs of war's fighting and working. Management and labor are derelict in their national duty when they fall short of full use of the means at hand voluntarily to meet those needs. Mandatory or voluntary, the work should now be much farther along. The war will be won eventually. Its delaying will needlessly sacrifice many thousand lives.

—O-P-D—

Prevention Is in Order

All too little is being done through the joint thinking, planning, and acting of business management and labor to formulate a practicable, effective program for the handling of the ominous problems of employment which, unless avoided, will have to be faced after the war. Postwar employment is not going to take care of itself. Apple-selling and leaf-raking will not solve the problems. Private enterprise will vanish from these lands if their solution is left to government; because the representative form of democracy cannot stand another strain of made work in the same world with an ever-growing communistic trend.

The problem of postwar employment, whatever number of millions of jobs that entails, will split into two major demands. One of these will deal with the providing of work for the, say, 10,000,000 who will be released from military and related governmental service. The bigger demand will have to do with the employing of at least twice as many who now work in the producing and shipping of the materials of war. And anybody who believes that the transition of these warworkers from $2-an-hour jobs to $2-a-day work in the fields whence they migrated will be easy is so naive that he would better find himself a safe woodland retreat before the fracas gets going.

Labor leaders state a belief that the absorption of returning veterans in peacetime employment can be accomplished by the cooperation of employers and local leaders on a community scale. They have declared for the emphasizing of local, voluntary plans and processes with a minimum of control by the Federal government. Management must agree with that choice. It must plan and proceed to work along such lines. There can be no dodging the fact that organized labor is getting ready to represent its element in the postwar employment program. It will be hazardous to try to bypass the unions. But, every possible effort should be made, starting with the idea stated above, to work by way of the areas of management-labor agreements through those of minor differences to an honest compromise directed to the survival of voluntary relations and of private enterprise itself.

No flood of spending of pent-up billions of consumers' cash must be expected to solve the postwar problems of employment. People are going to buy things which have been off the market for the duration. They will not be able to buy them until they have been produced. And no automobile is going to follow three feet behind the last bomber off the assembly line in any Detroit plant. There will be a hiatus between the stopping of production for war and the starting of production for sale. If there is a concomitant hiatus of employment, spending will be pinched to a minimum.

There will be new saviors of the common man in the postwar era. Some of these are already set. The plans of some of them make Townsend's look like a penny-ante game. The ideas of others have a distinctly subversive portent. It is impossible to foretell what success might attend any such undertaking of economic salvation. But, business management and labor will do well to leave no opportunity for its launching.

—O-P-D—

Planned Taxation

In planning a commission on taxation, Congress is taking a first step toward the remedying of one of its needs for expert advisory service. No other matter of Federal legislation is more incompetently handled than the perennial attempts to provide a practicable, profitable system of taxation. In the early days of his incumbency, President Roosevelt stated his intention to provide an agency for the scientific study of taxation. Doubtless it was intended that the findings of that agency were to be for the guidance of Congress, as well as of the Treasury Department revenue offices. The idea never got beyond the verbal stage. Why, nobody has said. There is no record of congressional opposition.

The nation needs a commission on taxation that will be empowered to function with reference to all other levies, from Federal to town, as the United States Tariff Commission is empowered in its field. The primary need is for a really scientific study of taxation as an economic force. Then would come the construction of a simplified, coordinated system of levies which would do away with duplication, put an end to pyramiding, and make every levy clearly recognizable for exactly what it is by everyone to whom it applies.

The commission on taxation should be a creature of Congress and responsible to that body. In these respects the status of the tariff commission might well be changed. Of course, it would be most desirable to provide assurance that Congress would act in something less than a year on suggestions, such as reciprocal or other tariff changes, which its tax commissions (import duties are taxes) might make. And properly to utilize any scientific data on taxation Congress needs a double-entry committee on budget.

PENICILLIN PFIZER

SINCE Penicillin is administered mainly by injection it is of the utmost importance that the finished product be sterile and free of any toxic or pyrogenic substances. In the Pfizer Penicillin plant rigorous tests are made not only of the finished drug but at various stages of the process to insure that these requirements are met.

In the case of many pharmaceutical products where sterility is necessary, this can be accomplished by heating the finished product to a temperature sufficient to destroy all possible contaminating organisms. Penicillin, however, is itself destroyed before such temperatures are reached and accordingly, this simple means of sterilization cannot be employed. Instead, during the final stages it must be handled under aseptic conditions equal to those employed in the operating room of the most up-to-date hospital. The gowns, masks, gloves, and shoe-covers worn by the operators are heat-sterilized; all equipment coming in contact with the Penicillin is washed with pyrogen-free distilled water and sterilized before use, as are the stoppers and vials used for the finished product; the walls, ceilings, and floors are washed with an antiseptic solution at frequent intervals; and the air supplied is first filtered and treated with ultra-violet light.

As a result of these precautions Pfizer Penicillin meets the rigorous Pfizer and official requirements for quality and potency. That such painstaking care need not interfere with large-scale production is evidenced by the fact that Chas. Pfizer & Co. is the world's largest producer of Penicillin.

PFIZER QUALITY

Chemicals For Those Who Serve Man's Well-Being

Chas. Pfizer & Co., Inc.

MANUFACTURING CHEMISTS • ESTABLISHED 1849

81 MAIDEN LANE, NEW YORK 7, N. Y.

444 WEST GRAND AVE., CHICAGO 10, ILL.

MAGNESIA

MAGNESIUM CARBONATE

Technical and U. S. P. Grades

•

MAGNESIUM OXIDE

Technical and U. S. P. Grades

EXTRA LIGHT

The *Original* Neoprene Type

A supreme quality product. Extremely fine state of division. Very Active. Calcined from carefully selected Carbonate. Uniform quality maintained through rigid laboratory control of modern production methods.

HEAVY

Many special types available for various specific uses. We can supply Heavy Magnesia finely ground to meet exacting screen test specifications or unground in granular form for chemical use. Shipments from stocks in Philadelphia, New York City, and Chicago.

PACKAGES—Specially designed to protect contents from moisture and air. Corrugated carton with special waterproof liner, and inner paper liner. Five-ply multi-wall bag, including asphalt liner. Special Export packages

GENERAL MAGNESITE & MAGNESIA COMPANY

Specialists in Magnesia

MANUFACTURERS — IMPORTERS — DISTRIBUTORS

2960 East Venango Street
PHILADELPHIA 34, PA.

HYDROCHLORIC ACID

★

SALT CAKE

★

BAY CHEMICAL COMPANY

INCORPORATED

NEW ORLEANS 9, LA.

U. S. PHOSPHORIC PRODUCTS

Division TENNESSEE CORPORATION

★

SODIUM SILICO FLUORIDE

White, free-flowing, highest quality.

Stocks in Tampa, Cleveland and New York.

★

NATIONAL SALES AGENT

W. B. LAWSON, INC.

Merchants . . . Manufacturers' Sales Agents

UNION COMMERCE BLDG. • CLEVELAND, OHIO

WAR DEMANDS SPEED!

We maintain large stocks of over 1500 products for manufacturers at 16 offices and warehouses located throughout the Middle-west. For your needs, check our catalog.

Here Are a Few of the Companies We Represent

THE BORDEN COMPANY
Ration-ayd

HEYDEN CHEMICAL CORP.
Formaldehyde, Benzoates, Salicylates

INNIS, SPEIDEN & COMPANY
Caustic Potash

M. W. PARSONS COMPANY
Metallic Stearates

TARTAR CHEMICAL DIVISION STANDARD BRANDS, INC.
Cream of Tartar

TURPENTINE AND ROSIN FACTORS
Canned Gum Turpentine

Write for Complete Details and Prices (6)

THOMPSON-HAYWARD CHEMICAL COMPANY

2915 SOUTHWEST BLVD. KANSAS CITY, MISSOURI

Omaha	Tulsa	Dallas
Chicago	Denver	Houston
St. Louis	Wichita	San Antonio
Des Moines	Memphis	Davenport
Minneapolis	Oklahoma City	New Orleans

Heavy Chemicals

Effects of the freight congestion resulting from snowbound transportation, continued to be reflected in the production and movement of heavy chemicals. Loss of production has added to the stringency which prevailed in many of the markets while spot inventories have not been replenished. A possible consoling feature was the fact that consuming operations were also necessarily cutback. Conditions were a little better at the end of last week but it was apparent that, temporarily at least, weather conditions are going to be injected, along with manpower shortages and transportation bottlenecks as potent influences regulating the output and distribution of chemicals.

Simplified procedure to obtain extension of authorization for use of allocated chemicals has been announced by the Chemicals Bureau of WPB. A single letter should be written to WPB listing all allocated chemicals and allied products for which an extension of authorization for use is requested beyond the limit set by order M-300.

Shipping difficulties have, in some cases, caused allocated materials to arrive after the allocation period. West coast manufacturers in particular have been handicapped by late shipment. Difficulties are complicated by late arrival of one allocated chemical that may delay use of other allocated chemicals for the same purpose. The announced simplified procedure permits a single letter to be filed requesting extension of time for use in the case of several different materials instead of having the applicant file forms and letters under each different governing M-300 schedule or other order.

Paper production as a percentage of six-day capacity was 90.1 in the week ended Feb. 10, according to the American Paper and Pulp Association. This compares with 88.8 in the previous week and 88.8 percent a year ago.

Aluminum — Shipments of ingot, powder and paste to control materials plan consumers increased 24 percent to 59,000,000 pounds during November and equaled the previous high recorded in August, 1944, WPB has revealed. About 89,000,000 pounds of virgin aluminum were produced in November, some 8.000,000 pounds less than in October. Increased scrap absorption resulted in a 5,000,000-pound gain in secondary recovery, bringing the total secondary for the month to 48,000,000 pounds.

Ammoniac Sal—Reported in heavy demand for use in manufacture of dry batteries. Constant call for deliveries has drained inventories and necessitated short shipments. Movement has experienced difficulty through snowbound freights. Chemicals Bureau placed December production at 5,263,000 pounds, against 5,772,000 pounds in November. Stocks at the close of December were 2,182,000 pounds, compared with 2,486,000 pounds at the end of November.

Antimony Oxide—Trade anticipates a better balanced market under WPB regulation. Short supplies will be allocated under WPB supervision and relieve sellers of that responsibility. Some trade estimates indicate that demand is running 1,000,000 pounds over the current rate of production.

Calcium Acid Phosphate—Sales of 1,407 kegs and 7 cases at 4c. per pound New York and 949 barrels at Newark, N. J., at the same figure were reported by the War Food Administration.

Calcium Chloride — More demand has reached this market than can be covered from current production. The call for ice control has exceeded all expectations while the recent cutback in production has left the market position exceedingly tight.

Chlorine — Shipments to consumers have reached factories late. The movement is expected to improve as soon as transportation is restored to normal. Production ordinarily would meet allocations without difficulty.

Copper—Production of crude for the month of January amounted to 73,640 tons, compared with 76,799 tons in December, according to the Copper Institute. Refined output in January was 67,726 tons against 82,649 tons in December. Stocks of refined at the end of January were 59,715 tons, compared with 66,780 tons at the end of December.

Magnesium Chloride — Reported in demand for cement manufacture. Makers have taken care of requirements of regular consumers, but there are no surplus stocks.

Salt—War Food Administration reported sales 4,401 bags of table salt in 60-pound bags at .45822 per bag New Jersey points.

Soda Ash—Deliveries have continued to move behind schedule while efforts were being made to clear bottlenecks brought about by snow and ice. Demand continued active with inventories low and the market position definitely tight for both light and dense. Manpower shortage has aggravated progress in the restoring of the situation to anything like normal.

Soda, Caustic—Remained definitely tight for all grades with inventories held low by delayed shipments from works. Some snowbound material came through but there was a lot of traffic congestion to be relieved. Meantime, there was no apparent relaxation in the call from the various consuming industries.

Soda Chlorate—Production received a jolt from snowbound difficulties. Delays were experienced in moving crude materials into plants and in getting finished products out. Unless there is more snow, the situation should improve later in the month.

Tin—As the results of increased requirements for tin, conservation order M-325 governing tin scrap has been amended. The order provides that on and after May 1, 1945, no person who generates tinplate scrap in the course of manufacturing operations shall keep in his possession for more than 30 days a quantity of tinplate scrap exceeding 60,000 pounds, or a minimum carlot, whichever is greater.

Tin Oxide—Manufacturers of ceramic colors and glazes who use this material will have to experience the critical condition in tin oxide until the Malay Peninsula, the principal pre-war source of tin, is again available to the Allies, according to WPB. In the meantime, none can be made available for dinnerware manufacturers.

Tungsten—Geological Survey has prepared a preliminary report on the tungsten deposits of the Hyder district, southeastern Alaska. Only two mines in this district are known to contain scheelite-bearing rock in sufficient quantity and of sufficiently high grade to constitute ore reserves. Copies of this report are available to those directly interested. Application should be made to the Geological Survey, Washington 25, D. C.

Market Trends

Prices Advanced

None

Prices Reduced

Adipic acid, 4½c. per pound.

Comparative Price Indexes

(100=August 1, 1914)

General Chemicals

Last week.	Prev. week.	Last month.	Last year.
169.0	169.0	169.0	170.6

Acids

Last week.	Prev. week.	Last month.	Last year.
116.0	116.0	116.0	116.0

Acids

Adipic—Lower prices have been established for this acid. Consumers can now place orders at 26½c. per pound f.o.b. works for any quantity. This represents a decline of 4½c. per pound from the former selling level.

Chromic—OPA has permitted an advance of 75c. per hundred pounds for this acid effective February 17. The new regulation was prepared after consultation with members of the industry at several meetings with the agency, OPA stated.

Monochloroacetic — Supply position reported fairly comfortable. Demand has been miscellaneous with the dye industry well represented in current sales.

Oxalic—Some production was lost through effects of the recent snow and

For Current prices see alphabetical listing beginning on page 9.

SODIUM SULPHIDE

BARIUM CARBONATE — BARIUM CHLORIDE
BLANC FIXE — BARIUM PEROXIDE
BARIUM OXIDE — BARIUM HYDRATE

Manufactured by

BARIUM REDUCTION CORPORATION
OFFICE AND WORKS: SOUTH CHARLESTON, W. VA.

FINEST QUALITY
BICARBONATE OF SODA
SAL SODA (Carbonate of Soda Crystals)
MONOHYDRATE OF SODA

CHURCH & DWIGHT CO., Inc.
70 PINE STREET — Phone Digby 4-2181 — NEW YORK 5, N. Y.

Faesy & Besthoff, Inc.
COPPER SULPHATE
22 EAST 40th STREET, NEW YORK CITY. CABLE: TRUFABEST

SILICATE OF SODA
40° and 60°
EXPORT - DOMESTIC
TURPENTINE - LINSEED OIL - MINERAL SPIRITS
CHAS. L. READ & CO., Inc., 120 Greenwich St., NEW YORK 6, N.Y.
Telephone COrtlandt 7-2865

TURNER CHEMICALS
CAUSTIC SODA
ALUMINUM STEARATE
CALCIUM STEARATE
ZINC STEARATE
JOSEPH TURNER & CO.
RIDGEFIELD, NEW JERSEY
83 EXCHANGE PLACE, PROVIDENCE, R. I.
435 N. MICHIGAN AVE., CHICAGO 11, ILL.

OPD—2-19-1945 35

Another Pittsberg Product

REFRIGERANTS

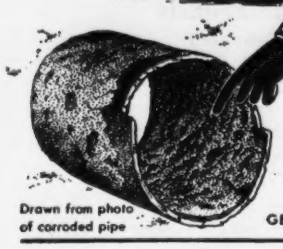
Stocked by Leading Refrigeration Jobbers

METHYL CHLORIDE
METHYLENE CHLORIDE
SULFUR DIOXIDE
KINETIC CHEMICALS
FREON 11—FREON 12—FREON 22
(Sales Agents)

We invite your inquiry on other chemicals

MANUFACTURED BY PITTSBERG CHEMICAL CO.
3100 EAST 26TH STREET, VERNON, CALIF.

PQ SILICATE STOPS RUST!



Drawn from photo of corroded pipe

PQ SILICATE AID: This process of corrosion control stops rusty water and saves piping. Iron and galvanized pipes are protected by a thin film of silicate of soda on the interior. Economical... harmless... easy to use. More details on either municipal or industrial use in Bulletin #373, "Water Corrosion Control", free on request.

PHILADELPHIA QUARTZ COMPANY
SILICATES OF SODA
GENERAL OFFICES & LAB.: DEPT. A, 129 S. THIRD ST., PHILA. 6

QUATERNARY AMMONIUM SALTS

"CETAB"—Cetyl tri methyl ammon. bromide
"OCTAB"—Octadecyl di methyl benzyl ammon. chloride
Other quaternary salts can be supplied

RHODES CHEMICAL CORPORATION • Jenkintown, Pa.

SULPHATE OF ALUMINA

E. M. SERGEANT PULP and CHEMICAL CO., Inc.
EMPIRE STATE BUILDING Established 1867 NEW YORK 1, N. Y.

MERCHANTS CHEMICAL COMPANY
INDUSTRIAL CHEMICALS

GLYCERINE

Affiliated Companies in

CHICAGO—435 North Michigan Avenue
CINCINNATI—216 Elm Street
COUNCIL BLUFFS—400 McGee Avenue
MILWAUKEE—1100 South Barclay Street
MINNEAPOLIS—110 N. E. Sixth Street
NEW YORK CITY—60 East 42nd Street

POTASSIUM METABISULPHITE
Granular

HUNT CHEMICAL WORKS, Inc.
271 RUSSELL STREET, BROOKLYN 22, N. Y.
Telephone EVergreen 9-4855

METOL
(Monomethylparaminophenol Sulfate)
Registered Trade-mark
Sole Licensee

TANNIC ACID • GALLIC ACID
(U. S. P. and Technical Grades)

ZINSSER & COMPANY, Inc.
HASTINGS-ON-HUDSON, NEW YORK

RED AMORPHOUS PHOSPHORUS
product of
American Agricultural Chemical Company

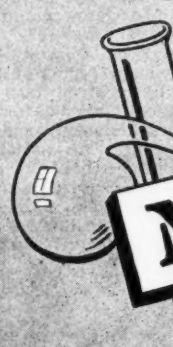
POTASSIUM CHLORATE
Immediate delivery: New York stocks

DUFF CHEMICAL COMPANY, INC.
342 MADISON AVENUE MUrray Hill 2-9114 NEW YORK 17, N. Y.

FLAKE and SOLID
SODIUM SULFIDE
60-62%

BARIUM CHEMICALS
Manufactured by
CHEMICAL PRODUCTS CORPORATION
CARTERSVILLE, GA.

KEEP AN EYE ON NAYLEE



CHEMICALS FOR INDUSTRY

CHLORINATED HYDRO CARBONS
MURIATIC ACID
WETTING AGENTS
TUBE DRAWING COMPOUNDS

NAYLEE
NAYPAR
CHLORINATED PARAFFIN
For Fireproof, Waterproof and Mildewproof Coatings

NAYLEE CHEMICAL COMPANY
Milnor St. & Robbins Ave., Philadelphia 35, Pa.
(Warehouses from Coast to Coast)

COPPER SULPHATE

IRVINGTON SMELTING & REFINING
IRVINGTON WORKS NEW JERSEY
NEW YORK OFFICE · 30 CHURCH ST.

ice storm and inventories have been reduced. Inquiry has increased and trade reports indicate a better miscellaneous demand than for some time. Difficulty was still experienced in moving basic materials to producing plants. In some instances output was reported sold through March and April and well into May.

Sulphuric—Continued to move out rapidly under allocation. Demand has remained considerably in excess of output but the market has a better degree of balance under WPB regulation.

Baltimore, Feb. 16.—No development to give the market for sulphuric acid a new slant occurred during the past week. The government remains in the position of adjusting its requirements by changing the quantities of acid diverted for other than war purposes, with the industrial and agricultural needs, if for any reason the production designed for government requirements is found insufficient. There seems to be enough acid-making materials available, so that output generally is maintained at capacity unless it becomes necessary to shut down plants for repairs. With the acid-making industry it is not a question of labor, for the reason that the equipment is run almost automatically, so that a few men can operate a factory. Price adjustments remain to be effected by the process of renegotiation if the government happens to feel that the net to any producer has become excessive. The old system under which acid producers were able to pile up big surpluses during the first world war is out.

Recent Imports

All matter under this head fully protected by copyright

ACID, CRESYLIC—91 dms
ARROWROOT STARCH—700 bgs, 98,000 lbs, Morningstar, Nicol, Inc
ASBESTOS—4,316 bgs, 431,600 lbs, United States Commercial Co
BAUXITE RESIDUE—300 bgs, Reichard Coulston, Inc
BRISTLES—17 cs, Bank of London South America
2 cs, Lowenstein & Gartner
2 cs, Merchants National Bank
8 cs, Samuel Zeitlan & Son
29 cs
CAFFEINE, ANHYDROUS—10 bbls, Lo Curto & Funk
CASEIN—2,000 bgs, 220,462 lbs, Hercules Powder Co
CASHEW KERNELS—853 cs, 42,150 lbs, L Demartini Co
1,146 cs, 57,300 lbs, Zaloom Co
981 cs, 49,050 lbs, Marine Trust Co
500 cs, 25,000 lbs, W A Camp & Co
78 cs, 3,900 lbs, Braun Importing Co
355 cs, 17,750 lbs, Biddle Purchasing Co
120 cs, 6,000 lbs, W A Hertle Co
100 cs, 5,000 lbs, Philadelphia National Bank
1,200 cs, 60,000 lbs, Wood & Selick
CASTOR BEANS—8,659 bgs, 1,298,850 lbs, Spencer Kellogg & Sons
5,927 bgs, 889,050 lbs, Guaranty Trust Co
31,366 bgs, 4,704,900 lbs, Baker Castor Oil Co
1,688 bgs, 253,200 lbs, Geismar & Co
5,386 bgs, 807,900 lbs, Chase National Bank & Trust Co
CINNAMON—23 bls, 2,300 lbs, Catz American Co
136 bls, 13,600 lbs, Volkart Bros
50 bls, 5,000 lbs, C M Van Sellevoldt
100 bls, 10,000 lbs, A G Dunn
105 bls, 10,500 lbs, C T Wilson & Co
80 bls, 8,000 lbs, Arnhold & Co
COBALT, WHITE—12,600 ingots, African Metal Corp
COCOA BEANS—100 bgs, 20,000 lbs, Wessel, Duval & Co
200 bgs, 40,000 lbs, Daarnhouwer & Co
1,500 bgs, 300,000 lbs, General Cocoa Co
4,550 bgs, 910,000 lbs, Nieschlag & Co
2,500 bgs, 500,000 lbs, Wessel, Kulenkampf & Co
2,000 bgs, 400,000 lbs, A C Israel Commodity Co
3,000 bgs, 600,000 lbs, Scarburgh & Co
1,500 bgs, 300,000 lbs, General Food Corp
1,500 bgs, 300,000 lbs, Curacao Trading Co
2,000 bgs, 400,000 lbs, Rockwood & Co
2,000 bgs, 400,000 lbs, Cocoa Trading Co
2,000 bgs, 400,000 lbs, Hershey Chocolate Co
CODLIVERS—9 bbls
COLOMBO ROOT—100 bgs, Ayrton Metal Co
COTTONSEED MEAL—31,370 bgs, 3,137,000 lbs
COCOABUTTER—400 pkgs, General Cocoa Co
GLUE—100 bgs
GLUESTOCK—150 bls, H Remis & Co
HAIR, GOAT—10 bls, Manufacturers Trust Co
23 bls, Irving Trust Co
HORSE—35 cs, Samuel Zeitlin & Son
15 bls, Hair & Fiber Supply Co
KAMALA—100 bgs, R J Prentiss & Co
MANGROVE BARK—2,280 bgs, Barkey Importing Co
1,302 bgs, Chase National Bank & Trust Co
MENTHOL—5 cs, Vick Chemical Co
MICA—16 cs, United States Commercial Co
14 cs
MINERAL SUBSTANCE—70 dms, African Metal Corp
MUSTARD SEED—188 bgs, W R Grace & Co
OIL, CASTOR—200 bbls
COD—315 dms
93 cks
CODLIVER—40 dms
CLOVE—7 pkgs, Dodge & Olcott Co
44 pkgs, Magnus, Mabee & Reynard
49 pkgs, Trubak Laboratories
13 pkgs, Catz American Co
38 pkgs, Givaudan Delawanna
5 pkgs, Ungerer & Co
ESSENTIAL—5 pkgs
GERANIUM—5 dms, Norda Essential Oil & Chemical Co
3 dms, Orbis Product Corp
6 dms, E I du Pont de Nemours & Co
12 dms, Geo Lueders & Co
11 dms, Harris Trust Co
2 dms, Corn Exchange Bank & Trust Co
14 dms, Commercial National Bank
12 dms, Irving Trust Co
16 dms, Dodge & Olcott Co
5 dms, A Verlay
8 cs, Rohner, Gehrig & Co
3 dms, Rohner Gehrig & Co
4 dms
LEMONGRASS—100 dms, Volkart Bros
OLIVE—12,000 cs
ORANGE—6 cs, Bank of the Manhattan Co
PALM—1,243 tons, Balfour, Guthrie & Co
SASSAFRAS—1 dm, Irving Trust Co
1 dm, Bank of the Manhattan Co
VETIVER—5 dms, Duke & Bennett
4 dms, Felton Chemical Co
4 dms, Irving Trust Co
10 dms, A Chiris & Co
3 dms, Corn Exchange Bank & Trust Co
11 dms, Norda Essential Oil & Chemical Co
9 dms, Ungerer & Co
5 dms, Harris Trust Co
10 dms, Dodge & Olcott Co
1 dm, Geo Lueders & Co
47 dms, Givaudan Delawanna
2 dms, Van Ameringen Haebler
15 dms, A Verlay
27 dms, Commercial National Bank
3 dms
YLANG YLANG—4 dms, Geo Lueders & Co
1 kg, Geo Lueders & Co
104 pkgs, A Verlay
PAPAIN—2 cs, American Ferment Co
2 cs, Kachurin Drug Co
PAPRIKA—10 bgs, 1,400 lbs, Knickerbocker Mills Co
10 bgs, 1,400 lbs, Frank Tea & Spice Co
25 bgs, 3,500 lbs, L & R Millen
PYRETHRUM FLOWERS—1,023 bls, United States Commercial Co
SHELLAC & SEEDLAC—378 tons
SOAP BARK—100 bgs, S B Penick & Co
99 bgs, Tartaric Raw Material, Inc
TAPIOCA FLOUR—2,400 bgs, 336,000 lbs, United States Commercial Co
VANILLA BEANS—6 cs, Dodge & Olcott Co
87 cs, F Huber & Co
5 cs, M Cortizas & Co
7 cs, Fritzsche Bros
1 cs, Hunzikers, Inc
3 cs, Norda Essential Oil & Chemical Co
7 cs, Thurston & Braidich
6 cs, Zink & Triest
6 cs, Duke & Bennett
3 cs, R T French Co
2 cs, Camax Co
2 cs, Otto Gerdau Co
WATTLE BARK—9,214 bls, Hammond & Carpenter
EXTRACT—1,850 bgs, Guaranty Trust Co
1,105 bgs, American Dyewood Co
WAX, BEES—20 bgs, Duncan Fox & Co
200 pkgs, Lieberman Waelchi & Co
CARNAUBA—117 bgs, American Cyanamid & Chemical Co
OURICURY—169 bgs, American Cyanamid & Chemical Co
336 bgs, Wessel, Duval & Co
110 bgs, Innis. Speiden & Co
111 bgs, Baird Rubber & Trading Co

Washington Talks It Over

—*Continued from page 5*

fully activated to fleshcolor when the maximum amount of water has been absorbed.

The department says that it is evident that the packaging of signal corps equipment in waterproof and vaporproof containers, with a desiccant included, is an expensive and time-consuming operation, but it is much to be preferred to previous methods of preservation, which required dipping components and end-items in heavy oils or molten waxes.

TVA Curb Sought

Senator Kenneth McKellar of Tennessee still has his knife out for TVA, and the fight that takes place every year over the agency's funds can again be expected. Aside from the usual raking over the coals, however, the agency probably will again escape unscathed.

Mr. McKellar is going to make his principal fight this year over the agency's own handling of its funds. He doesn't like the revolving fund setup, under which TVA operates, and he will seek the passage of a bill (S. 464) requiring that all the proceeds from the sale of power or other products manufactured by the agency be paid into the general funds of the Treasury and not be spent until subsequently appropriated by Congress.

In this way Congress would have the direct say as to what activities the agency can engage in and how extensively.

Charles G. Marshall has joined the staff of the Onyx Oil & Chemical Company, Jersey City, N. J., as director in charge of the industrial division.

DIAMOND

Dependably Serving ALL *Industry . . .*

58% Light Soda Ash
58% Light Fluffy Soda Ash
58% Dense Soda Ash
Fused Soda Ash Briquets
Bicarbonate of Soda U.S.P. Powdered, Granular
Bicarbonate of Soda, Free-Flowing
Bicarbonate of Soda, Technical
76% Caustic Soda Solid, Ground, Flake
74% Caustic Soda Solid, Ground, Flake
Liquid Caustic Soda 50% NaOH 70% NaOH
Liquid Chlorine
Carbon Tetrachloride
Dry Cleaning Solvents
Laundry Soda
Cleaner and Cleanser
Textile Soda
Diamond Soda Crystals
Sesquicarbonate of Soda
Special Alkalies All Strengths Ground, Flake
High Test Alkali B. B. Alkali
Diamond Detergent

COKE AND BY-PRODUCT DEPARTMENT

Coal
Coke Domestic, Foundry
Benzol Pure, Nitration
Chemical Limestone
Toluol Pure, Nitration
Ammonia
Tar, Crude
Gas, Coke Oven
Crude Heavy Solvent
Motor Fuel
Xylol

★ ★ ★

STANDARD SILICATE DIVISION

Silicate of Soda, Liquid All Grades Water White 42°
Silicate of Soda, Glass
Silicate of Soda, Concrete Special
Sodium Metasilicate
Sodium Orthosilicate
Sodium Supersilicate
Alkalate
Metalate
Ortholate

STANDARD CHROMATE DIVISION

P.O. Box 247, Painesville, Ohio

Bichromate of Soda Crystal, Granular, Anhydrous, Liquid
Chromate of Soda Anhydrous, Liquid
Ammonium Bichromate
Bichromate of Potash Crystal, Granular
Potassium Chromate
Potassium Sodium Chromate
Chrome Salt Cake
Tanning Salts

★ ★ ★

PURE CALCIUM PRODUCTS DIVISION

Address: Painesville, Ohio

Precipitated Calcium Carbonate Pigments for Paint, Rubber and Paper according to following brands:

Swansdown — Surfex
Suspenso — Paper Grade
Kalite — Multifex
Non-Fer-Al — Kalvan
Millical

ALKALI

DIAMOND ALKALI COMPANY

PITTSBURGH, PA., *and Everywhere*

BARIUM & CHEMICALS INC.
WILLOUGHBY, OHIO

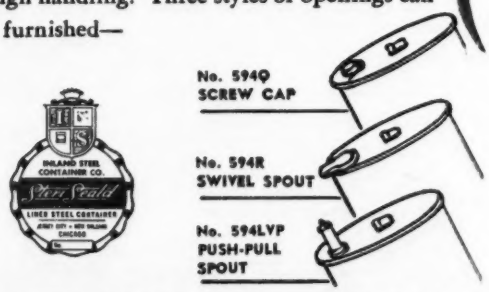
BARIUM AND STRONTIUM PRODUCTS } OXIDE (Porous Free from Carbides) HYDRATE HYDROXIDE PEROXIDE FLUORIDE CHLORIDE OXALATE CITRATE TARTRATE

NAYLEE NAYPAR
CHLORINATED PARAFFINS
FOR FIREPROOF, WATERPROOF AND MILDEWPROOF COATINGS
DEMSEE ASSOCIATES
PENNSYLVANIA BLDG. • PHILADELPHIA 2, PA.

A Leakproof Container **that can be depended upon for safety in shipping**

INLAND STEEL CONTAINERS

Container No. 594Q is designed for shipping thin liquids. Unusual strength is provided by the five thickness chime made with the double seaming method of attaching head and bottom. The thinnest of liquids can be safely shipped in this drum type container that stays leakproof even with rough handling. Three styles of openings can be furnished—



INLAND STEEL CONTAINER CO.
Container Specialists
6532 S. Menard Ave., Chicago 38, Ill.
Plants at:
CHICAGO • NEW ORLEANS • JERSEY CITY

Sheehan Leaves Grasselli For Arnold, Hoffman Co.

Bart Sheehan has resigned from the Grasselli chemicals department of E. I. duPont de Nemours & Co., to become affiliated with the metropolitan New York sales department of Arnold, Hoffman Company. In his new capacity, Mr. Sheehan will work directly under J. B. Henriques, vice-president of the Arnold, Hoffman Company, located in its New York office in the Empire State Building.

Bart Sheehan

A native of New York City, Mr. Sheehan was educated at Regis High School and Fordham University. He joined the Grasselli Chemical Company in 1924 and following the merger of the Grasselli interests with the duPont company in 1928, Mr. Sheehan was assigned to the Metropolitan New York sales staff, a post he held until his resignation February 15.

Arnold, Hoffman Company, a subsidiary of Arnold, Hoffman & Co., Inc., Providence, R. I., in addition to handling the sales of the products manufactured by the parent company, including sizings, gums and other textile specialties, distributes a complete line of industrial and fine chemicals.

Dr. Henry Wenker has returned, after a year's sabbatical leave, to the research staff of the Apex Chemical Company, New York.

Monsanto Co. Opens New CWS Plant

Monsanto Chemical Company St. Louis has started full scale production at the Duck River Plant CWS a new government-owned plant which Monsanto operates for Chemical Warfare Service at Monsanto, Tenn.

Costing more than $2,500,000, the new plant adjoins and utilizes by-products of Monsanto's elemental phosphorus plant, which, so far as it is known, is one of the largest works of its kind in the world, producing more than 10 times America's World War I output of elemental phosphorus.

Penna Salt Completes Installation of DDT Facilities

The Pennsylvania Salt Manufacturing Company, Philadelphia, Pa., has completed the installation of facilities for the manufacture on commercial scale of DDT. Production has already begun, all of the output for the present being taken by the government for the use of the army and navy. The company states that as soon as military requirements permit and the WPB approves, it will be in a position to supply DDT for preferred civilian uses.

Rhode Chemical Formed

The Rhode Chemical Corporation, Paterson, N. J., has been formed for the distribution of chemicals, oil and textile specialties. The company is headed by Harold W. Rose. Mr. Rose is a former sales manager of the Warwick Chemical Company and more recently was vice-president in charge of sales for the Phoenix Color & Chemical Company.

SO_2 (LIQUID)

"A VERSATILE CHEMICAL"
These Uses Are Being Rediscovered—
- Solvent Extraction
- Organic Reactions
- Reaction Medium
- Controlled Atmospheres

EASY —to handle —to store —to recover

V VIRGINIA

CYLINDERS TANK CARS

VIRGINIA SMELTING CO.
WEST NORFOLK, VIRGINIA

For efficient fumigation
METHYL BROMIDE
"Effective Against a Wide Variety of Insects"
- - Available for prompt shipment - -

MICHIGAN CHEMICAL CORPORATION
Main Office and Plant: SAINT LOUIS ➡ MICHIGAN
Eastern Sales Office: 15 Exchange Place Jersey City, New Jersey

INDUSTRIAL *Washine* CHEMICALS

SODIUM FLUORIDE
(White - Blue)

AMMONIUM BIFLUORIDE

Washine-National-Sands, Inc.
MANUFACTURING CHEMISTS SINCE 1919
37-02 Northern Blvd. Long Island City ST. 4-0500
Jacobus Ave. S. Kearny, N. J. MA 3-4725

Du Pont Fellowships

—Continued from page 3

of position when the fellowship expires.

This plan was adopted by the company to encourage and assist graduate students at a time of acute shortage of trained research people. It was felt that this was one way in which it was possible to help universities in the task which all of them face in rehabilitating and rebuilding their graduate schools. The du Pont fellowships were established in 1918, another period in which there was a shortage of well-trained chemists, and have been maintained with but one interruption ever since.

It is expected that a number of veterans, returning to school after discharge from the armed services, will be eligible for the fellowships this year.

Eight universities were added to the fellowship list this year and subjects in which the fellowships are offered follow:—Brooklyn Polytechnic Institute, chemistry; Carnegie Institute of Technology, chemical engineering; University of Indiana, chemistry; University of Iowa, chemistry; University of Nebraska, chemistry; University of Notre Dame, chemistry; University of Rochester, chemistry; and University of Texas, chemistry;

The other universities and the fellowships to be granted at each are as follows:—Columbia University, one each in chemistry and chemical engineering; Massachusetts Institute of Technology, one each in chemistry, chemical engineering and physics; University of Chicago, one each in chemistry and physics; University of Michigan, one each in chemistry and chemical engineering; University of Wisconsin, one each in chemistry and chemical engineering.

One fellowship in chemistry is being offered at each of the following:—California Institute of Technology, Cornell University, Harvard University, Johns Hopkins University, Northwestern University, Ohio State University, Pennsylvania State College, Princeton University, Purdue University, Stanford University, University of California, University of Illinois, University of Minnesota, University of Pennsylvania, University of Virginia, and Yale University.

Obituaries

—Continued from page 4

N. J., February 1. He was fifty-seven years of age.

A graduate of the Bucknell University in 1923, Mr. Lewis joined the faculty of Mount Holly High School in the same year, remaining until 1929, when he joined Merck & Co.

Dr. George A. Smith

Dr. George A. Smith, vice-chairman of the board of directors of the Frederick H. Levey Printing Ink Company, a subsidiary of the Columbian Carbon Company, New York, died recently. He was seventy-two years of age.

Fred Alexander, head of the purchasing department at United Consumers, Inc., Boston, died February 3.

Frederick Braun, an industrial engineer for the Colgate-Palmolive-Peet Company, died recently. He was thirty-seven years of age.

Louis J. Chamberlain, research chemist for Mallinckrodt Chemical Company, St. Louis, Mo., until he retired in 1930, died recently in Decatur, Ill. He was seventy-three years of age.

Joseph T. Hague, secretary and treasurer of the Smith Lime Flour Company, Elizabeth, N. J., died recently. He was sixty-nine years of age.

Leon C. Steele, a director and former vice-president of the Cudahy Packing Company, Chicago, and also president of the American Salt Company, Kansas City, Mo., died recently. He was fifty-six years of age.

E. Baird Smith, director of public relations of the American Standards Association, died recently in Chappaqua, N. Y. He was thirty-eight years of age.

OLDBURY

ELECTRO-CHEMICAL

COMPANY

•

PHOSPHORUS

TRICHLORIDE

•

PRODUCTION problems connected with Phosphorus Trichloride parallel very closely those of Phosphorus Oxychloride. Here again experience and continuous technical improvements enable us to produce a material remarkably free from impurities.

Shipping containers are returnable drums and tank cars.

•

Plant and Main Office:

NIAGARA FALLS, NEW YORK

New York Office:

22 EAST 40TH ST., NEW YORK 16, N.Y.

SO_2 CH_3Cl by ANSUL

LIQUID Sulfur Dioxide BY ANSUL — IMMEDIATELY AVAILABLE

* REG. U.S. PAT. OFF.

LIQUID Methyl Chloride BY ANSUL

These Insignia stand for . . .

QUALITY

ECONOMY

DEPENDABILITY

ANSUL CHEMICAL COMPANY

MARINETTE, WISCONSIN

Eastern Office: Paoli, Pa.

WHITE ARSENIC

GEORGE F. SMITH

60 East 42nd Street
New York 17, N. Y.

VAnderbilt
6-3098

AMECCO CHEMICALS

Paroils

Chlorinated Paraffins

Chlorinated Paraffins are supplied as non-volatile liquids, soft solids or hard brittle resins depending upon the chlorine content.

They are used as plasticizers and resins in protective coatings, inks, plastics, synthetic rubbers and coated fabrics; as additives in lubricants and as chemical intermediates.

We will be glad to furnish further information on request

AMECCO CHEMICALS, INC.

NEW YORK SALES OFFICE 60 E. 42nd ST., NEW YORK 17, N. Y.

ESTABLISHED 1919

MAIN OFFICE AND PLANT 75 ROCKWOOD STREET ROCHESTER 10, N. Y.

H_2O_2 $NH_2CONH_2 \cdot H_2O_2$

$K_2S_2O_8$ BECCO $Na_4P_2O_7 \cdot 2H_2O_2$

$(NH_4)_2S_2O_8$ MgO_2

AND NOW:

$CH_3COOC CH_3$

ACETYL PEROXIDE

30% solution in dimethyl phthalate

★ ★ ★

4% active oxygen

Highly soluble in organic solvents

★ ★ ★

Colorless, clear liquid

Laboratory samples available from

Buffalo Electro-Chemical Company, Inc.

SALES AGENT—BECCO SALES CORPORATION

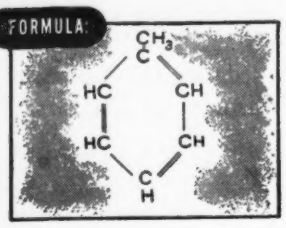
Buffalo 7, New York

TOLUOL

DEFINITION: The coal-tar product toluol, also called toluene and methylbenzene, is an aromatic hydrocarbon.

HISTORY: Discovered in 1838 by Pelletier and Walter in the condensation products from the manufacture of rosin-gas, and was called "retinaphtha." Afterwards Deville obtained it by destructive distillation of tolu balsam. The name toluol (toluene) was given to it by Berzelius. Mansfield found it in coal-tar.

FORMULA:



C_7H_8

SOURCES: Toluol is a normal constituent of the light oil recovered in the distillation (coking) of coal. This source of toluol has, in peace times, been sufficient to meet civilian requirements.

CHARACTERISTICS: Colorless mobile liquid boiling at 110.6°C./760mm., having a density of 0.8812 at 4°C, and solidifying at −95° C. In soluble in water, dissolves readily in alcohol or ether.

USES: Starting point in manufacture of dyestuff intermediates and medicinals. The parent substance of T.N.T. Diluent for lacquers and solvent for synthetic enamels.

GRADES: Nitration toluol; specific gravity .869-.873; boiling range 1°C including 110.6°C. Industrial pure toluol; specific gravity .864-.874; boiling range 2°C including 110.6°C. Approximate weight per gallon—7.24 lbs. Shipped in returnable 50-gallon drums, non-returnable 50-gallon steel barrels, tank cars, and by tank trucks in areas surrounding many industrial centers.

NOTE: *Deliveries are restricted by the primary requirements of toluol for war uses.*

This is one of a series of advertisements presenting information on basic coal-tar chemicals.

Awarded to the men and women of the Barrett Frankford Chemicals plant for excellence in the production of war materials.

THE BARRETT DIVISION
ALLIED CHEMICAL & DYE CORPORATION
40 Rector Street, New York 6, N. Y.
The Barrett Company, Ltd., 5551 St. Hubert Street, Montreal, Que.
ONE OF AMERICA'S GREAT BASIC BUSINESSES

Coaltar Chemicals

Delays in the movement of crude materials into producing plants have resulted in a loss of output for coaltar chemicals while tension of the overall supply position has increased. Military demand for benzol, naphthalene, toluol and xylol has not relaxed and civilian inquiry has continued in excess of the supply available. Producers of phenol reported more pressure from consumers and there was nothing suggestive of a surplus in any department of the coaltar chemical bases. The stringency was reflected in the production of intermediates and dyestuffs. It is expected that restoration to anything like a normal situation will be gradual as the continuance of snow and ice in many producing areas is making progress slow.

Steel operations for the week beginning February 12 were scheduled at 92.8 percent of ingot capacity, compared with 89.3 percent for the previous week, according to the American Iron and Steel Institute. A month ago, the indicated rate with 93.6 percent. The current schedule is equivalent to the production of 1,673,900 net tons of ingots and castings, compared with 1,610,800 tons for the preceding week and 1,750,000 tons for the same week in 1944.

Byproduct coke production for December was 5,603,135 tons, compared with 5,471,481 tons in November and 5,555,600 tons in December, 1943.

Production figures for December revealed a gain of 1.7 percent in ammonia liquor over the preceding month. Coaltar was up 2.3 percent and creosote oil 6.2 percent. Naphthalene showed a loss 4.7 percent.

Supply and coke byproduct production figures recorded in some of the following market reports were released by the Bureau of Mines.

Basic Products

Ammonia Liquor—A gain of 1.7 percent was registered in output in December over November. December production was 5,133,259 pounds, compared with 5,046,668 pounds in November. Stocks at the end of December were 1,780,887 pounds against 1,351,278 pounds at the end of November and 1,982,763 pounds at the end of December 1943.

Benzol—Delayed deliveries of basic material to plants have cutback production of benzol and exerted a further tightening influence on the supply position. It is apparent that snowbound transportation has cost a lot of production which cannot be made up. The breach between demand and supply has gradually widened.

Coaltar—Production for December was placed at 64,261,993 gallons, compared with 62,809,268 gallons in November and 64,319,000 gallons for December 1943. Stocks at the close of December were 34,844,368 gallons against 34,054,045 gallons in November and 37,146,107 gallons at the end of December 1943.

Creosote Oil—December output registered 3,420,784 gallons compared with 3,222,103 gallons in November and 3,444,000 in December 1943. Stocks at the end of December were 767,701 gallons against 536,749 at the end of November and 1,406,642 gallons at the close of December 1943.

Cresylic Acid—Market has not relaxed from its tight position. While domestic and imported grades have combined to meet requirements, demand has continued to exceed the available supply.

Naphthalene — Production of crude naphthalene for the month of December was 8,032,656 pounds, compared with 8,427,345 pounds in November and 8,133,000 pounds for December 1943. Stocks at the close of December were 2,060,215 pounds, compared with 1,966,740 pounds at the end of the preceding month and 2,760,267 pounds at the end of December 1943.

Phenol—Heavy demand for phenol either directly or indirectly for the war effort has continued to limit the supply available for civilian use. The stringency in benzol combined with other complications has prevented any expansion in output.

Toluol—Movement mostly for military use. Market position definitely tight with production interrupted by delayed receipts of basic product at plants.

Xylol—Remained in steady demand for military use. Supply position exceedingly tight with current production insufficient to meet other than essential requirements.

Chicago, Feb. 16—Good interest has attended the trade in coaltar bases. While business was mostly routine because of the restricted supplies currently available, it was evident that the underlying tone remained strong. Considerable interest was encountered in benzol. Ruling prices exclusive of tax were:—Benzol, pure, in tankcars, freight allowed up to 2c. per gallon, 15c. per gallon; toluol, 2-degree, same basis, 28c.; 10-degree xylol, same basis, 30c.; industrial xylol, same basis, 27c.; solvent naphtha, same basis, 27c.; creosote oil, grade 1, 15½c.

Hydrogenated Solvents

Position of these materials has grown tighter under increased buying. Cyclohexanone, in particular, has felt the impact of a broader demand for war use. Trade reports state that this demand has emerged from the development stage where it was more or less dormant for several months.

Coaltar Acids

Anthranilic—Limited production resulting from the stringency in basic products held the market for sublimed and technical in a tight position. Demand was reported active for use in colors and dyestuffs while a steady miscellaneous inquiry continued to reach the market.

Fumaric—No indication of easement in the supply position. Consumption in plastics and synthetic resins continued sufficient to absorb output readily.

Gamma—Manufacturers of dyestuffs have taken this material about as rapidly as available. The supply was reported definitely tight.

Maleic—While a fair miscellaneous inquiry reached the market, the major part of shipments were routed to the synthetic resin manufacturers. Demand continued to exceed production.

Salicylic, Technical—Cutback in phenol allocation has kept production of this acid short. Supply position has tightened since the turn of the year.

Sulphanilic—Short stocks have kept the market in the same tight position while there has been no easement in the extent of consuming demand.

Other Intermediates

Anilin—Reported some production lost through delayed shipments of benzol. Demand continued heavy while supply position remained tight.

Diethylanalin — Limited production found a ready outlet for the manufacture of dyestuffs. Market position firm with available material scarce.

Parachlorophenol—Plastic manufacturers have been well represented in the current movement. Production limited owing to stringency in basic material.

Paradichlorobenzene—No improvement in the supply position. Diversion of benzol into other channels has left output below the insecticide demand.

Market Trends

Prices Advanced

None

Prices Reduced

None

Comparative Price Indexes

(100=August 1, 1914)

Last week.	Prev. week.	Last month.	Last year.
129.2	129.2	129.2	129.2

By-Products Data: 1944

The Bureau of Mines reports the following production of byproducts of coke for 1944 compared with 1943:

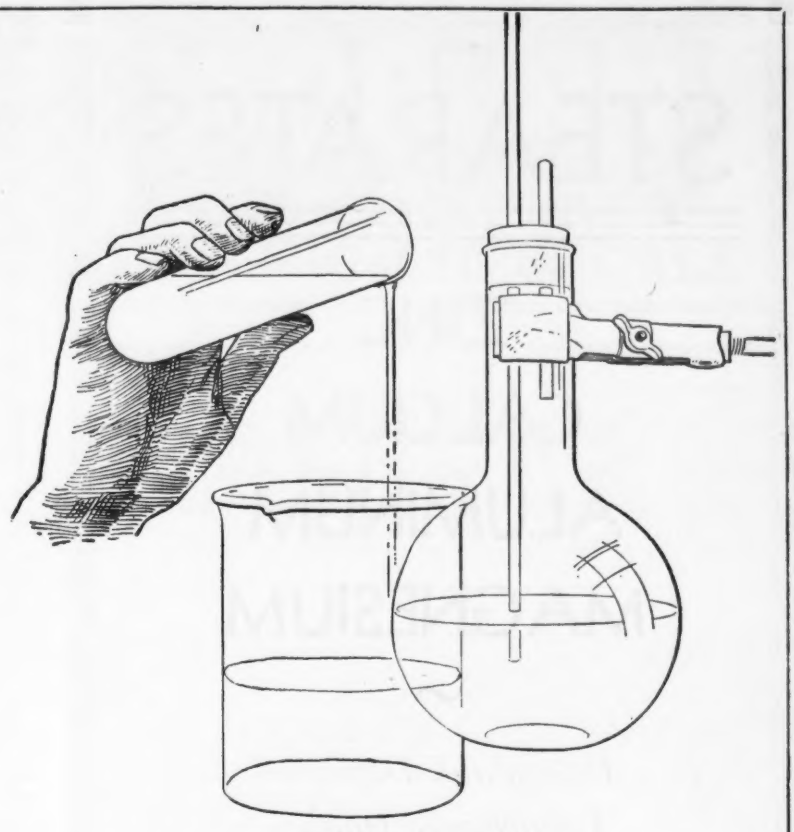
	1944	1943
Ammonia sulphate, lbs.	1,629,511,372	1,522,540,000
Ammonia liquor, lbs.	63,329,677	68,212,000
Coaltar, gals.	767,893,716	738,167,000
Creosote oil, gals.	42,364,242	43,553,000
Naphthalene, crude, lbs.	102,820,997	98,097,000
Pyridine, dry base, gals.	471,499	475,027

For Current prices see alphabetical listing beginning on page 9.

KOPPERS Coal Tar Chemicals

Benzol
Toluol
Xylol
Phenol
Cresols
Xylenols
Cresylic Acid
Frozen Neutral Oil
Tar Acid Oils
Pyridine
Picolines
Lutidines
Quinoline
Naphthalene
Creosote Oil

and other coal tar chemicals



KOPPERS COMPANY, INC.
TAR and CHEMICAL DIVISION
Pittsburgh 19, Pa.

KOPPERS

The Industry that serves All Industry

Professional Services

Analysis—Testing—Patents Formulations—Trademarks

Jerome Alexander
50 East 41st St., New York 17, N. Y.

Assn. of Consulting Chemists & Chem. Engineers, Inc.
50 East 41st St., New York 17, N. Y.

Bureau of Chemistry
2 Broadway, New York 4, N. Y.

Day Chemical Company, Inc.
713-15 S. 14th St., Newark 3, N. J.

Di Cyan & Brown
12 East 41st St., New York 17, N. Y.

The Edwal Laboratories, Inc.
732 Federal St., Chicago 5, Ill.

Dr. J. Ehrlich
153 S. Doheny Dr., Beverly Hills, Calif.

Ellis-Foster Company
4 Cherry St., Montclair, N. J.

Ralph L. Evans Associates
250 East 43rd St., New York 17, N. Y.

Food Research Laboratories, Inc.
48-14 33rd St., Long Island City 1, N. Y.

Case Kowal
1846 W. Cullerton St., Chicago 8, Ill.

E. M. Laning Company
433 Stuyvesant Ave., Irvington 11, N. J.

LaWall & Harrisson
1921 Walnut St., Philadelphia 3, Pa.

Leberco Laboratories
36 Roosevelt Ave., Bloomfield, N. J.

James C. Munch
306 So. 69th St., Upper Darby, Pa.

Orthmann Laboratories, Inc.
647 W. Virginia St., Milwaukee 4, Wis.

Dr. Walt Phillips
1749 Grand Concourse, N. Y. 53, N. Y.

W. S. Purdy Company, Inc.
128 Water St., New York 5, N. Y.

Schwarz Laboratories, Inc.
202 East 44th St., New York 7, N. Y.

Foster D. Snell, Inc.
303 Washington St., Brooklyn 1, N. Y.

Stillwell & Gladding, Inc.
130 Cedar St., New York 6, N. Y.

Herbert Waterman
2100 Roselin Pl., Los Angeles 26, Calif

Wiley & Company, Inc.
Calvert & Read Sts., Baltimore 2, Md

Joseph A. Wyler
212 N. St. George St., Allentown, Pa.

Coke By-Products

Estimates of by-product coke-oven operations in the week ended Feb. 10 indicate the following output of by-products from that source:—

Ammonia liquor NH_3	lbs.	1,073,333
Ammonia sulphate	lbs.	27,793,670
Benzol	gals.	3,502,454
Coaltar	gals.	12,992,976
Creosote oil	gals.	723,087
Naphthalene	lbs.	1,717,332
Phenol	lbs.	203,368
Toluol	gals.	700,491
Xylol	gals.	158,175

Phthalic Anhydride — Construction work at some of the prospective producing plants has been interrupted by the recent heavy snowfall. No easement in demand could be noted for synthetic resin and other essential requirements and market position was reported exceedingly tight.

Pyridine—Production of crude, dry base in December amounted to 36,580 gallons, compared with 40,394 gallons in November. Refined production in December was 9,592 gallons, compared with 7,697 gallons in November. Stocks at the end of 1944 were 72,931 gallons of crude and 4,257 gallons of refined.

Coaltar Colors

Production of dyestuffs was also subjected to a period of irregularity resulting from delayed shipments of basic materials to plants. There was no easement in the call for government requirements. Textile mills continued to inquire for dyes sufficient to cover their supplies of cotton and wool.

J.&L. Byproduct Dep't Headed by Stewart

Jones & Laughlin Steel Corporation, Pittsburgh, has announced that the sale of two of its products, sulphate of ammonia and ammonia liquor, has been transferred to by-product sales department, headed for the last four years by B. E. Stewart, manager of sales.

Bridge Chemical Company has moved its office to 600 North Wells street, Chicago, Ill.

REPUBLIC AMMONIUM SULPHATE

REPUBLIC STEEL
Reg. U.S. Pat. Off.

ALSO

BENZOLS
1°—2°—90%—Motor

TOLUOLS
Nitration—Commercial

XYLOLS
3°—5°—10°—Commercial

CRUDE NAPHTHALENE • SOLVENT NAPHTHA

Specify Niles Steel Containers for your Packaged Items

REPUBLIC STEEL
CORPORATION
General Offices • Cleveland 1, Ohio
BRANCH OFFICES IN ALL PRINCIPAL CITIES

Shipping Points: Cleveland, Ohio • Warren, Ohio • Youngstown, Ohio
Canton, Ohio • Massillon, Ohio • Gadsden, Alabama • Birmingham, Alabama

STEARATES

ZINC
CALCIUM
ALUMINUM
MAGNESIUM

Dependable Deliveries
Unsurpassed Quality

SYNTHETIC PRODUCTS CO.
Established 1917
LONDON ROAD AND EUCLID AVE., CLEVELAND 12, OHIO

To Fill Your **SOLVENT** *R*

• In three phases of your present activities — formulating specification coatings, adjusting formulas to meet shortages, planning postwar products — you eliminate needless experimental work when you call in U.S.I. to "prescribe" the solvents for the many problems with which you have to deal.

At U.S.I. you find, first, a full range of high-purity solvents from which the right combination can be selected to provide the characteristics you want. Second, you find the kind of experienced technical assistance that grasps your problems quickly, that knows how to drive straight to a sound solution. We can save time for you!

U.S.I. SOLVENTS AND PLASTICIZERS

ACETONE
AMYL ACETATE
ANSOLS BUTANOL
BUTYL ACETATE
DIAMYL PHTHALATE
DIBUTYL PHTHALATE
DIETHYL PHTHALATE
ETHYL ACETATE
ETHYL ETHER

U.S.I INDUSTRIAL CHEMICALS, INC.
60 EAST 42nd ST., NEW YORK 17, N. Y. BRANCHES IN ALL PRINCIPAL CITIES

Protective Coatings Materials

Although administering rather severe shocks in some quarters of the protective coatings industry, the new allocation controls and tightening of already drastic restrictions on several additional paint and varnish materials, imposed by the War Production Board within the past week, have failed to exert a demoralizing influence on the trade as a whole.

There can be no doubt, however, that suppliers of Congo copal gum have been unpleasantly surprised by the wholly unlooked-for inhibition of deliveries of this gum to long-waiting customers until authorizations have been received from WPB. And it cannot be truthfully stated that non-military users of the chrome colors have been pleased at the further tightening of restrictions on these irreplacable pigments or that the users of phenol resins and phthalic alkyd resins have been made joyful by the amendments to the orders governing their distribution. Nor is the trade exactly gleeful over the harsh restrictions so recently imposed on its use of lead and linseed oil.

But further computations on and logical deductions from the Census Bureau's record of sales of paints, varnishes, lacquers and fillers for last year, suggesting a grand total of these record-breaking sales running to $697,817,292, instead of the already very satisfactory total of $618,604,285 shown in the sales of the 680 reporting establishments representing 90 percent of the total volume of the industry, have gone far toward reconciling the paint and varnish industry to the existing state of affairs, albeit the bulk of 1944's banner business was booked in the form of war orders.

Metallic Lead and Zinc

With the War Production Board manifesting an inclination to tighten the already drastic restrictions recently imposed on civilian uses of pig lead, so as to assure a new stockpile with a sufficient quantity of this metal for the increasing war requirements, there is little chance for relief from the pinch in lead supplies allotted to the makers of lead pigments for a long time to come. Even within the past week, WPB has imposed import controls on three items manufactured from lead—collapsible tubes, storage batteries and foil.

Prices of pig lead have continued unchanged for the week February 9-16 at 6.35c. per pound in St. Louis and 6.50c. in New York.

For procuring zinc slabs, the zinc pigment makers still have to possess priority ratings, which continue to be imperatively required by the increasingly large needs of the military establishment, greatly limiting the supply available to them. Quotations for slab zinc have remained unaltered for the week February 9-16 at 8.25c. per pound in East St. Louis and 8.66c. in New York.

Pigments

White Lead—Although still snowed under with military orders with priority ratings, which must be filled before any non-military business can be handled, makers of these white pigments are again accepting orders from civilian users for such contingent deliveries as they can hope may materialize, if, as and when the avalanche of military business subsides.

Zinc Oxide—Though free from allocation control, such as that to which the leadfree grades are subject, the leaded types of zinc oxide continue in light supply, with their position tightened further by the calls made upon them by consumers of white pigments unable to obtain allocations of the other kinds like white lead and titanium pigments.

Fillers and Extenders

Gypsum — Continues in moderate inquiry with prices well maintained. OPA has ruled that producers in eight specified States may add actual transportation charges to their f.o.b. plant ceiling pirces for gypsum wallboard, lath, sheating and laminated gypsum products sold to government agencies and delivered to Eastern ports for export. The producers in question are located in New York, Indiana, Iowa, Michigan, Ohio, Massachusetts, Pennsylvania and Virginia.

Talc—Still moving into consuming channels in the paint trade, where it is extensively employed in making coatings for ships, tanks and other war goods. But deliveries from New York, which together with California provides most of the domestic supply, are being seriously curtailed as a result of a manpower shortage, the recent heavy storms and ensuing transportation tieups. Manufacturers of ceramic bodies report having especially great difficulty in procuring this material in competition with other consumers.

OPA has established for a select grade of crude talc produced in Esmeralda County, Nev., a maximum price of $17.50 per ton, f.o.b. Zurich, Calif.

Market Trends

Prices Advanced
None

Prices Reduced
None

Comparative Price Indexes
(100=August 1, 1914)

Last week.	Prev. week.	Last month.	Last year.
140.2	140.2	140.2	140.2

Dry and Chemical Colors

Carbon Black—Convinced that the present alarming shortage in carbon blacks is certain to continue and reach an even more acute stage before plans for a substantial stepping up of production are carried out and a new supply made available, possibly late in the Spring period, the War Production Board's Rubber Bureau has taken drastic steps to curtail consumption of the various types of this material to the ultimate extent of 10,000,000 pounds a month. WPB has put this new and most severe conservation program into effect, beginning February 15, by amending appendix II of list 35 in its rubber order R-1 so as to place a limitation on the total amount of carbon black permitted to be used for each rubber product and also impose a special limitation on the percentage of permitted channel type of carbon black for each product.

Chrome Colors—The paint industry, already distressed by the complete allocation of yellow chromate zinc solely to military uses and by the impracticability of increasing the output of all chrome pigments until a larger production of chromates and more adequate supply of labor are obtainable, has had further limitations placed upon the availability of the class A chrome pigments — C. P. chrome yellow, chrome orange, chrome green, molybdate chrome orange and hydrated chromium oxide—by the addition of the Veterans Administration to the list of government agencies for which these class A materials may be obtained for direct or indirect shipments on exempt orders and by a similar exemption of paints for airport markings through an amendment to order M-370, announced last week by WPB.

A step in the direction of encouraging an increased production of chromates has been taken by OPA in a new order raising ceiling prices of primary chrome chemicals by a series of upward adjustments ranging from 25c. to 75c. per 100 pounds, effective February 17.

Driers and Flatteners

Tallates—Continue in keen demand with producers' plant capacities pretty well taken up and with few manufacturers able to accept large new orders except from regular customers. Prices are being well maintained in conformity with the stiffening trend of tall oil.

Stearates—With zinc, aluminum, calcium, barium and magnesium types leading in the movement, these flatteners continue to flow in an ever-

For Current prices see alphabetical listing beginning on page 9.

STEARATES

Stocks at
- NEW YORK
- CHICAGO
- ST. LOUIS
- PHILADELPHIA
- DALLAS
- BOSTON
- SHAWNEE, OKLA.
- LOS ANGELES
- SAN FRANCISCO
- OAKLAND
- SEATTLE
- PORTLAND, ORE.

ZINC STEARATE
BARIUM STEARATE
CALCIUM STEARATE
ALUMINUM STEARATE
MAGNESIUM STEARATE

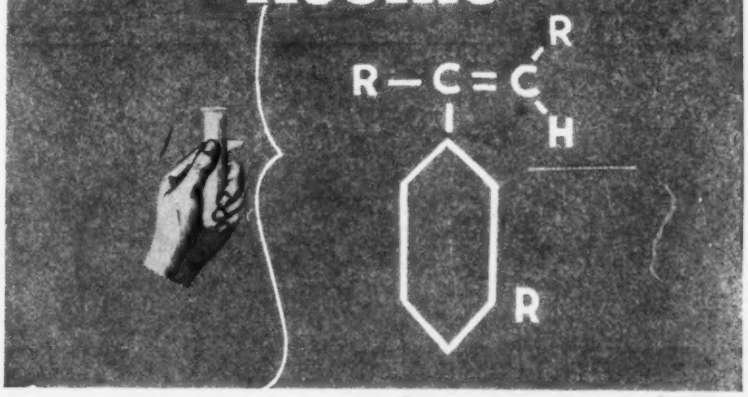
FRANKS CHEMICAL PRODUCTS CO.
BLDG. 9. BUSH TERMINAL — BROOKLYN. N.Y.

WOBURN
CHEMICAL CORP. (N. J.) Harrison, N. J.
ORGANIC CHEMICALS

LAMP
CARBON
BONE
BLACKS
LAKE
VINE
OXIDE
C. J. OSBORN CO., 132 Nassau Street, NEW YORK 7
Established 1889

DIRECT IMPORTERS AND EXPORTERS
CONSIDER IN YOUR PRODUCTION
SHELLAC
ORANGE • BLEACHED • DEWAXED • A and R FREE
OUR PRICES ARE ALWAYS COMPETITIVE
Consult SCHWAB BROTHERS CORP.
102 MAIDEN LANE, NEW YORK 5, N. Y.
CHICAGO AGENT: JAS. H. FURMAN CO., 310 SOUTH MICHIGAN AVENUE, CHICAGO 4, ILLINOIS

Pennsylvania Industrial Chemical Corporation
Announces
Piccolastic Resins



Based on Styrene, Substituted Styrene and Homologues

PICCOLASTIC is an entirely new elastic thermoplastic hydrocarbon resin, available in grades and types having different melting points and characteristics. They vary from viscous liquids, through tacky solids, brittle solids to resins of hard, horny toughness. They are generally of pale color, and the series comprises a wide assortment of melting points, molecular weights, solvencies and other properties.

PICCOLASTIC — STYRENE, SUBSTITUTED STYRENE AND HOMOLOGUES

PENNSYLVANIA INDUSTRIAL CHEMICAL CORPORATION
CLAIRTON, PENNA.
Makers of: Coumarone Resins · Coal Tar · Naphthas
Rubber Plasticizers · Reclaiming Oils · Terpene Resins

Volclay
MOST COLLOIDAL
BENTONITE
VOLCLAY WYOMING BENTONITE
Granulated or air-floated
B C VOLCLAY
Micron-sized powder for pharmaceuticals
K W K VOLCLAY
Disperses easily in water
PANTHER CREEK
Non-swelling Southern Bentonite
AMERICAN COLLOID COMPANY
361 West Superior Street, Chicago 10, Illinois
MINES AND PLANTS IN THREE STATES

Leading the Field
Reichard - Coulston
IRON OXIDE PIGMENTS
SYNTHETIC - NATURAL

Meeting Specifications of
ARMY ★ NAVY
MARITIME COMMISSION
FEDERAL SPECIFICATION BOARD
and other
GOVERNMENT AGENCIES
REICHARD - COULSTON, Inc.
15 EAST 26TH STREET NEW YORK CITY

OHIO-APEX, INC., Nitro, W. Va.
Manufacturers of PLASTICIZERS and CHEMICALS

KRONISOL, (Dibutoxy Ethyl Phthalate)
(Dibutyl "Cellosolve" phthalate)
KRONITEX AA, (Tricresyl Phosphate)
METHOX (Dimethoxy Ethyl Phthalate)
(Dimethyl "Cellosolve" phthalate)
ETHOX, (Diethoxy Ethyl Phthalate)
(Di "Cellosolve" phthalate)
DIOCTYL PHTHALATE
KAPSOL, (Methoxy Ethyl Oleate)
KP-23, (Butyl "Cellosolve" Stearate)
PHOSPHORUS TRICHLORIDE
PHOSPHORUS OXYCHLORIDE
ANHYDROUS ALUMINUM CHLORIDE

Samples and data on request

"Cellosolve" "Kronisol" "Kronitex", "Methox" "Ethox" and "Kapsol" are trademarks

For inorganic phosphorus products, represented by Joseph Turner & Co., Ridgefield, N. J.
For plasticizers, represented in New York, New Jersey and Connecticut by Stoney-Mueller, Inc., Lyndhurst, N. J.

SODIUM STEARATE
SODIUM OLEATE
U. S. P. - Technical - Powdered - Paste

ALUMINUM STEARATE
CALCIUM STEARATE
MAGNESIUM STEARATE
ZINC STEARATE
Many Other Metallic Soaps

THE BEACON COMPANY
PURITY · UNIFORMITY · DEPENDABILITY
Chemical Manufacturers
97 BICKFORD STREET · BOSTON, MASSACHUSETTS

In Canada: PRESCOTT & CO., REG'D., 774 ST. PAUL ST., W. MONTREAL

The Cleveland Steel Barrel Co.
CLEVELAND 5, OHIO
STEEL PAILS and STEEL DRUMS
FOUNDED 1912

Stearates

ZINC STEARATE — *For* PHARMACEUTICALS, COSMETICS, RUBBER, PAINTS, VARNISHES, LACQUERS, PLASTICS.
ALUMINUM STEARATE — *For* PAINTS, VARNISHES, LACQUERS, LUBRICATING GREASES, INKS.
CALCIUM STEARATE — *For* PAINTS, VARNISHES, LACQUERS, WATER-PROOFING, SURFACE COATINGS.
BARIUM STEARATE
LITHIUM STEARATE
MAGNESIUM STEARATE

Where Uniformity Is An Achievement

PLYMOUTH BRAND METALLIC SOAPS

Technical Service Available • Send for Samples and Data

M. W. PARSONS
Imports and PLYMOUTH ORGANIC LABORATORIES, INC., NEW YORK
GENERAL OFFICES: 59 BEEKMAN STREET, NEW YORK, N. Y. FACTORY: BUSH TERMINAL BUILDINGS, BROOKLYN, N. Y.
DISTRIBUTION POINTS AND AGENTS IN ALL PRINCIPAL CENTERS
DISTRIBUTORS-THOMPSON-HAYWARD CHEMICAL CO., KANSAS CITY, MO. AND BRANCHES
MEFFORD CHEMICAL CO., LOS ANGELES, CAL.
O. L. WEST, PHILADELPHIA, PA.

increasing volume into consuming channels in the paint trade.

Lacquer Materials

Ethylether—In order to facilitate the movement of this material into the production of smokeless powder and synthetic rubber without the restrictions imposed on civilian usage, WPB, in response to mounting military demands for both this powder and the artificial rubber, has brought ethylether under the provisions of schedule 91 of general chemicals order M-300, which provides that, when it is produced in any government-owned smokeless powder or synthetic rubber plant and when delivered to or consumed by any such plants, it shall be exempt from all restrictions on use and delivery, beginning March 1.

Dibutyl Phthalate—Another reduction in the price schedules for this material for the period from February 10 to March 9 has been announced by one of the seven present day manufacturers. The markdown made by this producer amounts to 0.4 cent per pound, making his revised quotation 21.5 cents in tankcars. Previously, the lowest price manufacturer had announced for the new period an advance of a half cent in his prices to 19.8 cents in tankcars and another producer had lowered his quotation a tenth of a cent to 20.5 cents while the five others had reaffirmed their previous periods' figures.

Synthetic Resins

Phenolic Resins—With the demand for these resins far outstripping the current rate of production, and with the restrictions on their usage for other than military purposes growing still tighter almost continually, WPB has reminded all authorized users to make sure to furnish the data required by the reporting provisions of schedule 87 of order M-300 in every detail on form WPB-2945, when making applications for allocations, on the ground that this will go far toward expediting the processing of these applications during the current critical supply situation.

Phthalic Alkyd Resins—A further tightening of the restrictions already imposed on the use of these resins has been effected by WPB in another amendment to schedule 59 of order M-300, which also brings this schedule up to date by incorporating the provisions limiting their use to interior coatings for cans and closures for food, medicinal and chemical purposes, as set forth in the February 12 issue of *OPD*, and other previously announced limitations.

Naval Stores

Rosin—With visible stocks of gum rosin reduced to rather meager proportions, naval stores farmers, processors and factors in the South, await-

FILAC
CLEAN SOLUBLE NITRATE FILM SCRAP
HORN, JEFFERYS & CO.
BURBANK, CALIFORNIA
"Available in Flakes"

Crude, Refined, Processed
PAINT and VARNISH OILS

Sales Representatives
Geo. E. Moser & Son, Inc., Detroit, Mich.
White & Co., Akron and Cleveland
Marshall Dill, Los Angeles
Brice H. Boyet, Louisville, Ky.
B. & S. H. Thompson & Co., Regd. Montreal and Toronto
Garrigues, Stewart & Davies, Inc. 40 Rector Street, New York

CHINAWOOD OIL
PERILLA OIL
LINSEED OIL
SARDINE OIL
SOYABEAN OIL
OITICICA OIL
RAPESEED OIL
CASTOR OIL
GUM TURPENTINE
QUICKSILVER
Special Oils to Order

PACIFIC VEGETABLE OIL CORPORATION
Importers, Refiners, Manufacturers
62 TOWNSEND STREET, SAN FRANCISCO, CALIF.
4½ million gal. U.S. Gov't Bonded Tank Storage

The 680 LINE
No. 680 MINERAL BLACK (Natural)
Meets specifications for Government and Consumer Pairts. Blacker than lamp black. Used to make enamels, sash black, structural steel paints. Also for blending browns, reds, yellows, greens, grays. Write for SAMPLES, Prices! Prompt shipment CL and LCL lots!
Other 680 items are . . . EGYPTIAN SILICA
MULTI-CEL • RED OXIDE • YELLOW OXIDE
TAMMS SILICA CO., 228 N. La Salle St., Chicago 1, Ill.

JLS PIGMENTS

LS
SPANISH RED OXIDE
(Waterground)

SGN
SPANISH RED OXIDE
(Regular Grade)

272
PRIMER RED OXIDE
(Automotive)

J. LEE SMITH & CO., Inc.
EST. 1854
19 JACOB ST., NEW YORK 7

Shawnee
DRY COLORS
"Color Content Guaranteed"

Chrome Greens
Chrome Yellows
Toluidine Reds
Para Reds Iron Blues
Cadmium Colors
Lake Colors
Ultramarine Blue

KENTUCKY COLOR & CHEMICAL CO.
Incorporated
General Office and Works
LOUISVILLE, KENTUCKY
Offices and Agents in Principal Cities
Distillers of Coal Tar Products

ing further clarification of the War Production Board's gum and wood rosin regulation have become more disinclined within the past week than hitherto to sell the small lots at their disposal at the ceiling prices prevailing on the Savannah Exchange and elsewhere.

As a result, trading on the exchange has been slowed down to a crawl, with operations completely suspended the first two days of the business week as well as on Thursday, and with only small and generally unbalanced lots changing hands on Wednesday and Friday. At interior points, also, offerings of gum rosin have been few in number and light in every instance, with the offerers holding out for their respective high prices of the January-June, 1944, period.

Locally, the demand for domestic and export consumption has continued extensive but going largely unsatisfied.

Savannah, Feb. 16.—Following is a record of the market for the week:—

	Price per unit—Low of range quoted				
	*Mon.	Tues.	Wed.	Thurs.	Fri.
B	....	$5.05	$5.05	$5.05	$5.05
D	....	5.12	5.12	5.12	5.12
E	....	5.65	5.65	5.65	5.65
F	....	5.75	5.75	5.75	5.75
G	....	5.79	5.79	5.79	5.79
H	....	5.81	5.81	5.81	5.81
I	....	5.81	5.81	5.81	5.81
K	....	5.85	5.85	5.85	5.85
M	....	5.87	5.87	5.87	5.87
N	....	6.03	6.03	6.03	6.03
WG	....	6.28	6.28	6.28	6.28
WW	....	6.55	6.55	6.55	6.55
X	....	6.55	6.55	6.55	6.55
	—Drums—				
Sales	....	...	35	...	32
Receipts	109	...	24	...	4
Shipments	401	298	271	312	375
Stocks	8,992	8,702	8,455	8,143	7,772

* Savannah Naval Stores Exchange suspended trading on February 12, Lincoln's Birthday.

Turpentine — Buying interest has continued keen in gum turpentine within the past week, with a further depletion of existing supplies. Further withdrawals of relatively small quantities of government stocks have been recorded, and present-day offerings are far below the total called for. Since the opening of the 1944 crop season, last April 1, the downward drift of turpentine stocks has carried supplies of gum turpentine off from 234,000 barrels to 182,000 barrels and those of steam-distilled wood turpentine from about 15,000 barrels to 12,000 barrels by the close of the calendar year 1944. A few sales have been made on the Savannah Exchange at 81c. per gallon and at interior

—*Continued on page 48*

Current Market Quotations

—*Continued from page 31*

Yellow dock root, bls.	lb.	.35 - .38
Yellow xanthorrhiza (see Xanthorrhiza).		
Yerba santa leaves, bls.	lb.	.21 - .25
Yohimbine hydrochloride, vis.	oz.	3.00 - 5.75

Z

Zein, bgs., 1,000 lbs., works	lb.	.25 - —
smaller lots, works	lb.	.30 - —
Zinc acetate, tech., bbls., dlvd.	lb.	.16 - .17
USP, bbls., 250 lbs.	lb.	.26 - .27
kgs., 100 lbs.	lb.	.29 - —
Arsenite,[1] bgs., c.l., frt. alld. E. of Rockies	lb.	.11¾- .13¼
l.c.l., same basis	lb.	.12¾- .13¾
Zinc borate, bgs., c.l.	lb.	.12 - —
Carbonate, tech., rubber makers' grade, bbls., works	lb.	.09¾- .10¾
USP, precip., powd., bbls.	lb.	.35 - —
dms.	lb.	.40 - —
kgs.	lb.	.37 - —
Chloride, tech., fused, dms., c.l., works	100 lbs.	5.00 - —
l.c.l., works	100 lbs.	5.35 - —
gran., dms., c.l., works	100 lbs.	5.75 - —
l.c.l., works	100 lbs.	6.50 - —
USP, dms.	lb.	.30 - .31
jars	lb.	.35 - .36
solution, 50%, dms., c.l., works	lb.	.0315- —
l.c.l., works	lb.	.04¼- .04½
tanks, works	lb.	.0250- —
Chromate (see Yellow, Zinc).		
Cyanide, kgs., works	lb.	.33 - .37
Dust,[6] bbls., c.l., dlvd.	lb.	.1035- —
l.c.l., works	lb.	1135- —
Fluoride, bbls.	lb.	.25 - .30
Hydrosulphite, dms., works	lb.	.16 - —
Iodide, NF, bots.	lb.	4.68 - 4.75
jars	lb.	4.40 - —
report).		
Laurate, bbls.	lb.	.32 - .33
Metal,[1,2,5] (quotations in Protective Coatings market report).		
Naphthenate, 8%-10% Zn, 50-gal. dms.	lb.	.16 - .19½
Oxide, pigment, dom., acicular,[6] bgs., c.l., dlvd.	lb.	.07¼- —
l.c.l., dlvd.	lb.	.07¼- —
American process, com'l, lead free,[6] bgs., c.l., dlvd.	lb.	.07¼- —
l.c.l., dlvd.	lb.	.07½- —
leaded, 5%, bgs., c.l., dlvd.	lb.	.07½- —
l.c.l., dlvd.	lb.	.07⅝- —
Zinc oxide, pigment, American process, leaded, 35% or more, bgs., c.l., dlvd.	lb.	.07 - —
l.c.l., dlvd.	lb.	.07⅛- —
French process, com'l, lead free,[6] bgs., c.l., dlvd.	lb.	.07½- —
l.c.l., dlvd.	lb.	.07⅞- —
green seal, bgs., c.l., dlvd.	lb.	.09 - —
l.c.l., dlvd.	lb.	.09¼- —
red seal, bgs., c.l., dlvd.	lb.	.08½- —
l.c.l., dlvd.	lb.	.08⅝- —
white seal, bgs., c.l., dlvd.	lb.	.09½- —
l.c.l., dlvd.	lb.	.09⅝- —
USP,[6] 50-lb. ctns., c.l.	lb.	.10½- —
l.c.l.	lb.	.10⅝- —
Zinc oxide Pac. Coast prices ½c. higher. Bbl. prices ½c. higher than bgs.		
Resinate,[5] 8.7% Zn, 100-lb. dms.,	lb.	.14½- —
fused, pale, bbls.	lb.	.11 - .12
precipitated, dms., dlvd.	lb.	.13 - —
Silicofluoride, bbls.	lb.	.15 - .16
Stearate, tech., ctns., c.l., frt. equald.	lb.	.29 - —
ton lots, frt. equald.	lb.	.30 - —
smaller lots, frt. equald.	lb.	.31 - —
USP (same prices as tech.).		
Sulphate, cryst., bgs., c.l., wks., frt. alld.	100 lbs.	3.40 - —
l.c.l.	100 lbs.	4.15 - —
flake, bgs., c.l.	100 lbs.	3.80 - —
l.c.l.	100 lbs.	4.55 - —
powd., bgs., c.l.	100 lbs.	5.35 - —
l.c.l.	100 lbs.	6.10 - —
Zinc sulphate, in bbls., 25c. higher.		
Sulphide,[1,5] pure, bgs., c.l., dlvd.	lb.	.08¼- —
l.c.l., dlvd.	lb.	.08½- —
bbls., c.l., dlvd.	lb.	.08¾- —
bbls., l.c.l., dlvd.	lb.	.08¾- —
Zinc sulphide, barium pigment, bgs., c.l., dlvd.	lb.	.0560- —
l.c.l., dlvd.	lb.	.0585- —
calcium pigment, bgs., c.l., dlvd.	lb.	.0560- —
l.c.l., dlvd.	lb.	.0585- —
fluorescent, pigment, works, frt. alld.	lb.	.90 - 1.00
magnesium pigments, bgs., c.l., dlvd.	lb.	.05¾- —
l.c.l., dlvd.	lb.	.06 - —
Zinc sulphide Pac. coast prices ¼c. higher. Bbl. prices ¼c. higher than bgs.		
Sulphocarbolate, NF, bbls., dms.	lb.	.28 - .31
Tallate, 5% Zn, 50-gal. dms.	lb.	.09¾- —
Yellow (see Yellow, zinc).		
Zinc-ammonia chloride, dms., c.l., works	100 lbs.	5.65 - —
l.c.l., works	100 lbs.	6.70 - —
Zinc-cadmium sulphide, fluorescent, works, frt. alld.	lb.	2.50 - 2.85
Zinc-iron oxide pigment, bgs., c.l., dlvd.	lb.	.06 - —
l.c.l., dlvd. E. of Rockies.	lb.	.06¼- —
dlvd. Pac. cst.	lb.	.06½- —
ex whse., Pac. cst.	lb.	.07 - —
Zirconium hydride, cns., works.	lb.	7.00 - 8.00
Nitrate, kgs., works	lb.	3.00 - 4.00
Oxide, crude, 70-75%, grd., bbls., works	ton.	75.00 -100.00
ex whse., Pac. cst.	lb.	.07 - —
white, 98%, grd., kgs., works,	lb.	1.80 - 2.00

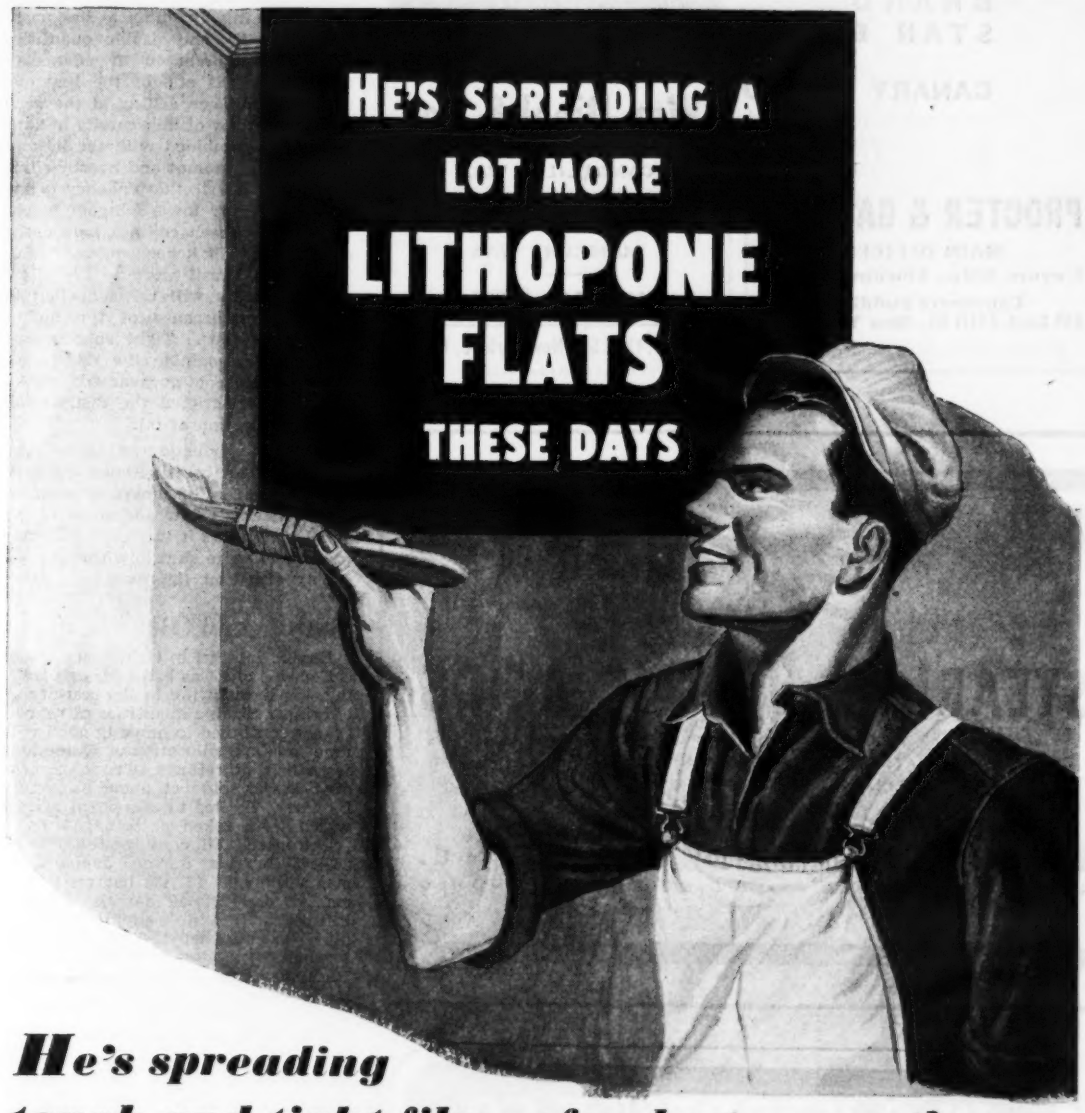
Synthetic Resins

The customary monthly listing of prices for synthetic resins and other branded paint materials was printed in OPD for February 5.

SICO

Ultramarine Blue
Alkali Blue Toner
Dyestuffs
Methyl Violet Toners
Blanc Fixe
Iron Blues
Para Toners
Toluidine Toners
Lithol Toners
Red Lake C Toners
Permanent Orange Toners
Pyrotone Red Toners
Barium Products

STANDARD ULTRAMARINE CO
HUNTINGTON, WEST VIRGINIA



He's spreading tough and tight films of velvety smoothness with better washing qualities

ALBALITH the LITHOPONE of today and tomorrow

THE NEW JERSEY ZINC COMPANY
160 FRONT STREET, NEW YORK 7, N. Y.
Products Distributed by THE NEW JERSEY ZINC SALES COMPANY
NEW YORK • CHICAGO • CLEVELAND • SAN FRANCISCO

New Jersey Zinc

STEARIC ACID

Single Pressed and Double Pressed

Available in either cake or flake form

Triple Pressed
IVORY BRAND

RED OIL
(OLEIC ACID)

RUBY OLEINE
BRAND (*distilled*)
STAR BRAND
(*saponified*)
CANARY BRAND
(*very pale yellow, especially suitable for best types of dry cleaners' soaps.*)

PROCTER & GAMBLE
MAIN OFFICES
Gwynne Bldg., Cincinnati, Ohio
Commerce Building,
155 East 44th St., New York City
Branches and stock in all large cities

STEARIC ACID
OLEIC ACID
(Red Oil)
DISTILLED
FATTY ACIDS
Animal
and
Vegetable
RUFATS
(Hydrogenated Fatty Acids)

WILSON & CO. INC.
WILSON-MARTIN DIV.
SNYDER AND SWANSON ST.
PHILADELPHIA, PA.

Wm. Diehl & Co.
CANDELILLA WAX
CARNAUBA WAX
High M. P. Substitute
OURICURY WAX
SHELLAC Orange Bleached
332 W. 42nd St., New York 18, N. Y
Phone: BRyant 9-5211

Emery
STEARIC and OLEIC ACIDS
All Grades • Saponified and Distilled
FATTY ACIDS • GLYCERINE • PITCH
SPECIAL FATTY ACID DERIVATIVES
TWITCHELL REAGENTS
EMERY INDUSTRIES • INC.
4300 CAREW TOWER • CINCINNATI 2 • OHIO
New York, N. Y. Lowell, Mass.

W. C. HARDESTY CO.
41 EAST 42nd STREET • NEW YORK 17, N.Y.
RED OIL STEARIC ACID
Saponified — Distilled
HYDROGENATED FATTY ACIDS
(HYDREX)
Cottonseed Oil Fatty Acids
Palm Oil Fatty Acids
Corn Oil Fatty Acids
Specialty Fatty Acids
Glycerine — Pitch — White Oleine
FACTORIES
DOVER, OHIO · LOS ANGELES, CALIF. · TORONTO, CANADA

Oils, Fats, and Waxes

Active consuming inquiry for all oils and fats was unabated during the week, but the scarcity of available supplies, continued to limit the volume of trading. Consumption, however, continued in good volume, with the bulk of stocks moving on allocations.

Fish oils continued in excellent request during the week, with refiners bidding at the ceiling for both crude menhaden and sardine oils. Recent purchases of these oils have placed under contract at ceilings the major part of next seasons' production. Refined fish oils stocks have been seriously depleted and as a result sellers were limiting sales to small quantities in order to be able to fulfill contractual obligations. Newfoundland cod oil receipts have been delivered to consumers on contracts, with the result that resale oil on the market has been practically nil.

Paint makers were showing marked interest of late in oiticica and tung oils. Trading in oiticica has been brisk recently and sizable quantities have been purchased at advancing prices. This is one of the few oils that has not been selling at the ceiling and in view of the scarcity of supplies here, combined with the lack of offerings for prompt and nearby shipment from Brazil, the tendency of the market appears toward higher levels, which may reach ceilings before the current crop has been moved. Reports from Brazil were to the effect that producers will be compelled to boost prices because of the higher production costs. Tight supply conditions still dominate the linseed oil market. Recent government directives have restricted the distribution and consumption of oil.

Reduced production of tallow and grease has further tightened the supply situation. Consumers inventories were extremely low and some of the small consumers it was reported, may be compelled to shut down unless the supply situation improves.

Cottonseed Oil

Buying interest in refined and crude cottonseed oils was brisk, though trading was light owing to the scarcity of offerings. Sizable quantities of refined grades continued to move in good volume against allocations. Quotations were firm at ceilings. Crude oil production was sold well ahead and offerings were limited to occasional carlots which were taken at ceilings.

Cottonseed oil consumption totaled 269,193 barrels during January as compared with 237,488 barrels in December and 219,450 barrels, January last year. The visible supply of oil and seed was estimated at 2,150,500 barrels for January against 2,237,300 barrels in December and 1,825,000 barrels, January, 1944, it was reported by the Department of Agriculture.

Bleachable oil prices follow:—

	—Cents per pound in tanks— High.	Low.	Close.
March	....	....	14.31 bid
May	....	....	14.31 bid
July	....	....	14.00-14.31
September	....	....	14.00-14.31
October	....	....	13.90-14.10
December	....	....	13.60-14.00

Total sales, 2.
Cash, 14.31c. nom.
Crude, Southeast, 12¾c.; Valley, 12⅝c.; Texas, 12c. (all ceiling prices).

Memphis, Feb. 15.—Crude cottonseed oil situation was quiet. Demand active but sales limited to scattered tankcars. Production sold well ahead. Good demand for all oilmeals with offerings scarce. Preparations for new crop delayed.

Linseed Oil

Conditions in the linseed oil market continued tight. Crushers were limiting operations to deliveries of oil on prior contracts on the presentation of certificates according to recent government regulations governing distribution. Prices were without change and firm.

Receipts of some 380,000 bushels of Uruguayan flaxseed were reported for distribution to oil crushers on the eastern seaboard.

The second Argentine flaxseed crop report indicated a reduction in the production totaling 30,197,000 bushels, as compared with 33,110,000 bushels in the first crop estimate and last years' final production of 61,929,000 bushels.

Stocks of flaxseed in the Argentine port elevators as of January 1 were reported at 4,041,000 bushels. Commercial stocks totaled 23,941,000 bushels, according to advices received from the Argentine during the week.

Minneapolis, Feb. 15.—Crushers were operating plants on a relatively low production basis, partially because of the car shortage and partially in an effort to maintain production schedules as far into the crop year as possible. Shipments against maturing contracts continued in steady volume with shipping instructions stacked up in crusher offices.

Shipments of linseed oil, in pounds, were as follows:—

	1945-44	1944-43
This week	4,740,000	8,740,000
Since Sept. 1	118,300,000	142,580,000

Flaxseed—Crushers purchasing new crop seed freely at ceilings for delivery up to next July.

Minneapolis, Feb. 15.—The cash flax situation became even more difficult at Minneapolis last week as daily receipts ranged from one to two cars and crusher purchases were largely on the basis of new crop, which is to be planted sometime later this Spring. The volume of this "to arrive" business increased materially during the week with sales of 364 cars or better than one-half million bushels in one day. It was estimated that "to arrive" purchases in the local market totaled almost 2,000,000 bushels in the past fortnight with dealers still offering flax at ceiling prices for delivery up to July 31, 1946.

Crop movement in bushels follows:—

	—Receipts— 1945-44	1944-43	—Shipments— 1945-44	1944-43
This week	10,500	199,500	10,500	35,000
Since Sept. 1	16,088,000	17,863,500	1,387,000	1,968,000

Flaxseed markets at Minneapolis and Duluth during the week were unchanged at $3.10 (ceiling) per bushel for spot and forward deliveries.

Buenos Aires, Feb. 16.—No flaxseed shipments were made during the past week. Visible supply of seed was placed at 3,937,000 bushels. Argentine flaxseed was quoted at $2.26½ per bushel, nominal.

Hull, Feb. 16—Bombay, £33, January; Calcutta, £31, January; La Plata not quoted.

Other Vegetable Oils

Castor Dehydrated — Withdrawals against contracts continued active. Inquiry for forward requirements also brisk. Offerings were light owing to production sold well ahead.

Oiticica—Limited quantities on the spot were firmly held at 22c per pound, in drums. Offerings from Brazil continued scarce and were restricted to June forward shipment. Consumers continued to show keen interest in nearby positions.

Olive — Receipts of approximately 12,000 cases of Spanish edible olive oil were consigned against former contracts. Offerings for resale were practically nil with market nominal at ceilings.

Palm — Receipts were reported at 1,243 tons which were consigned to consumers on allocations.

Soybean—Sales of scattered tankcars of crude oil were reported in the South at ceilings. Consuming inquiry continued keen.

Sunflowerseed—Commercial stocks of seed in the Argentine on January 1 were reported at 224,000 tons.

Tung—Consuming inquiry continued active and a steady volume of buying was noted at prevailing ceilings.

Fats and Greases

Greases—Owing to reduced production, offerings continued at low ebb. Consumers were in the market but demand continued unsatisfied. Light sales were made at ceilings.

Lard—This market continued firm. Supplies were scarce with sellers restricting sales to small lots. The tight supply situation has become more pronounced reflecting light hog receipts.

War Food Administration reported

Market Trends

Prices Advanced
None

Prices Reduced
None

Comparative Price Indexes
(100=August 1, 1914)

Last week.	Prev. week.	Last month.	Last year.
193.3	193.3	193.3	195.3

For Current prices see alphabetical listing beginning on page 9.

sales of off-condition prime stead lard totaling 905,000 pounds at 11.04c. per pound, in bulk, f.o.b. Ivorydale, O., to soapmakers on February 2 and 5.

Tallow — Demand was excellent. Trading was quiet because of the sold up production which has been sharply reduced. Inventories of small users were reported at low ebb with little prospect of improving this condition. Prices were firm at ceilings.

Animal Oils

Degras—Demand was active. Offerings were light and prices firm for all grades. Deliveries against contracts moving in good volume.

Neatsfoot—Demand active. Production sold well ahead. Market steady.

Oleo—Supplies were limited and closely held at ceilings. Demand continued good.

Fish Oils

Cod—Trading was limited owing to scarcity of supplies on spot. Market remains steady. Receipts were reported at 315 drums and 93 casks delivered against former contracts.

Menhaden—While demand for refined oil was good offerings were limited to small quantities. Prices were firm at ceilings. Refiners were showing an active inquiry for crude and bids at ceiling for next season oil if and when made were turned down.

Baltimore, Feb. 13.—Operations of the menhaden fishing companies at Beaufort and Morehead City, N. C., are definitely ended, according to confirmatory reports from those towns, while information from Southport seems to leave some doubt. This center, it appears, fared exceptionally well in the activities carried on by the factories there even up to and including the last two weeks of the season. It is further stated that the Southport companies were fortunate enough to catch fish enough to fill all of the orders they had booked. The attention of fishing companies will now turn again to Florida, where menhaden fishing will be resumed in May. Demand for crude oil remains active, with the ceiling at 8.9c. per pound. Already orders have been placed with the Reedville factories on a when-and-if-made basis for a considerable tonnage of oil for next season's delivery.

Sardine—Active demand continued for crude oil and numerous bids at the ceiling were not accepted by producers. Market was strong. Fishing in northern California has ended for the season. Refined oil also was in keen request with sellers restricting offerings to small lots. Prices were firm at ceilings.

Los Angeles, Feb. 14.—Brisk trading marked the end of sardine fishing in Northern California this week. About two-thirds of next season's sardine oil already has been contracted for. Sales were made at the ceiling of 66.75c. per gallon in tankcars. The season ends in Southern California February 28. California Sardine Products Institute reports 353 tons of sardines were caught during the week ending February 3. This brings the season's total to February 3 to 530,289 tons, as compared with 463,643 tons landed last year for the same period.

Fatty Acids

Red Oil—Consumers continued to show an active interest in this market. Production was sold up, resulting in offerings confined to small lots. Prices were firm at ceilings.

Stearic Acid—Production sold at least two months ahead with makers unable to accept business except for small lots for urgent needs. Deliveries against contracts in active request.

Cake and Meal

Cottonseed Meal—Brisk demand unsatisfied for nearby and future delivery. Trading limited to scattered carlots at ceilings. Production sold well ahead.

Linseed Meal—Demand for meal unsatisfied. Production sold up. Withdrawals against contracts heavy.

Minneapolis, Feb. 15.—Meal production runs into consuming channels at a steady rate, mills keeping supplies rolling as rapidly as possible. Demand continued to exceed the output and shipping instructions were well lined up ahead.

Shipments of linseed meal in pounds were as follows:—

	1945-44	1944-43
This week.....	4,560,000	16,020,000
Since Sept. 1.....	27,120,000	66,540,000

Soybean—Inquiry for all deliveries continued brisk. Offerings light. Prices firm at ceilings.

Waxes

Beeswax — Conditions continued firm. Supplies on the spot have been cleaned up. Inquiry was active for prompt and forward delivery. Offerings continued scarce from producing centers. Quotations firm at ceilings. Receipts totaled 20 bags and 200 packages for delivery against previous orders.

Candelilla—Brisk demand for spot material was unsatisfied. Supplies were closely held. Replacements from Mexico were held up by embargoes

With Industrial Oil

Daniel Copenhaver has joined the staff of the Industrial Oil Products Corporation, Los Angeles, as manager of the processed linseed oil division. Prior to his acceptance of this position he was chemical engineer in charge of production, technical service and development work for Bisbee Linseed Company, Philadelphia, for the past sixteen years.

DARLING'S

STEARIC ACID
OLEIC ACID
RED OIL
FATTY ACIDS

DARLING & COMPANY *Manufacturers*
4203 South Ashland Avenue • Chicago

E. A. BROMUND COMPANY

Beeswax
Carnauba Wax
Ceresine Wax
Ouricury Wax

258 BROADWAY, New York 7, N.Y.
BArclay 7-8445 Est. 1880

GLYCERINE

SAPONIFICATION
CRUDE

Tankcars - Drums

A. GROSS & CO.
295 MADISON AVENUE
NEW YORK 17, N. Y.
ESTABLISHED 1837
Factory: NEWARK, N. J.
CABLE: GROSSRAY AShland 4-8250

HERE IS YOUR SOURCE OF *Supply* For

Gum & Wood Rosin
Limed Gum Rosins
Dipentine
Gum Rosin Gloss Oils
Pine Oil
Pine Tar Oil
Pine Tar
Rosin Oil

Beeswax
Candililla Wax
Carnauba Wax
Ouricury Wax
Red Lead
Litharge
Driers

Gum & Steam Distilled Wood Turpentine

Oiticica Oil
Soybean Oil
China Wood Oil

Gilsonite
Alcohol
Caustic Soda

Linseed Oil Specialties
Chemically Hydrated Lime
Coal-Tar Solvents
Coumarone-Indene Resins

JOHN H. CALO COMPANY
NAVAL STORES RESINS OILS
19 RECTOR ST., NEW YORK 6
WHITEHALL 3-6866

A. A.
STANDS NOT ONLY FOR
ALLIED ASPHALT
BUT ALSO FOR THEIR
ALL AMERICAN WAXES
And Allied Products Readily Available Such As . . .

MICRO CRYSTALLINE WAXES
(*Some Allocation Free*)
for
Laminating and Dipping Purposes, Wax-Coatings, Moisture-Proofing, Glassines, Paraffine-Extenders, etc.
M. P. 130° F. up to 165° F.
in Olive-green, Amber and Natural Yellow colors.
Needle Penetrations at 77/100/5 from 16 to 95

ALSO

AMERICAN OZOKERITE TYPE WAXES:
Crude Hard Green. MP 150 to 185° F.
Refined Yellow and White MP 145 to 180° F

SUBSTITUTE WAXES:
Beeswaxes Ouricury
Carnauba Montan
Physical and chemical properties are identical to those of the natural product.

AMORPHOUS MINERAL WAXES:
Black, Brown, Amber, Yellow and White. M.P. Range 140 to 190° F.

PETROLATUMS

SEMI-CRYSTALLINE WAXES

NEW: AA-516 WHITE AMORPHOUS MINERAL WAX
A.S.T.M. Melting Point 160-165° F.
Needle Penetration at 77/100/5=13-16.

AA-523 ALLOCATION—FREE LAMINATING WAX
COLOR—LIGHT AMBER
A.S.T.M. Melting Point 158/163° F.
Needle Penetration at 77-100-5 = 35-40
High M. P. Straight Hydro-Carbon Base
"ALKRA" Binding Agents.

WAX AND OIL DIVISION
ALLIED ASPHALT & MINERAL CORP.
217 Broadway, NEW YORK 7, N.Y.
Telephone: REctor 2-2955
Factories:
Brooklyn - Bayonne - Dunellen
AGENTS IN ALL PRINCIPAL CITIES
in U. S. A. and Canada

AMCON

AMORPHOUS WAXES
For Laminating Paper
Melting Points 126° F. to 170° F.
COLOR: DARK AMBER

PETROLEUM SULPHONATES

AMCON TRADING CORPORATION
29 BROADWAY NEW YORK 6, N. Y.

WE BUY SURPLUS CHEMICALS

20 Years of Service to

Manufacturers and Consumers Having Excess Stocks of

CHEMICALS DRUGS SOLVENTS
WAXES OILS GUMS

BARCLAY CHEMICAL COMPANY
75 VARICK STREET NEW YORK 13, N. Y.
WOrth 4-5120

NOW EX QUOTA UNDER WFO-42

FISH LIVER OIL FATTY ACIDS

CARLOADS AND LESS
SPOT • CONTRACT • FUTURES
Quotations, samples, other details on request.

CHEMICAL SERVICE COMPANY
82 Beaver Street, New York 5, N. Y. HAnover 2-6970

Exports to Switzerland

American manufacturers and exporters of chemicals, solvents, oils, waxes and allied raw materials, are requested to communicate with this experienced importing firm and agency.

Walter Moesch & Company
Zurich Switzerland

• COD LIVER OIL...
DESTEARINATED and NON-DESTEARINATED
• TECHNICAL FISH OIL
NON-DRYING • LOW IODINE • HIGH FLASH
GOOD ODOR • ALKALI REFINED • LOW PRICE
• BY-PRODUCT FATTY ACIDS
from FISH, CASTOR and MIXED VEGETABLE OILS
also substitute for Single Pressed Stearic
ARISTA OIL PRODUCTS CO., 135 Front St., New York 5, N.Y.

and the difficulty of obtaining railroad cars.

Carnauba—Owing to the lateness of new crop production and the difficulty of filling contracts placed several months ago, producers were not in a position to offer prompt or nearby shipments. Offerings were limited to September forward, with some trading reported, though most buyers showed little interest. An active inquiry continued for prompt and nearby positions. Quotations were firm at ceilings. Receipts were light and noted at 117 bags for delivery against previous contracts.

Protective Coatings

—*Continued from page 45*

points at the CCC parity price of 79½c.

Savannah, Feb. 16.—Following is a record of the market for the week:—

	Bulk gallons Cents.	Sales.	Barrels Receipts.	Shipments.	On hand.
*Monday	..	..	..	..	23,409
Tuesday	81	..	6	152	23,263
Wednesday	81	6,500	6	6	23,263
Thursday	81	..	..	483	22,780
Friday	81	..	1	112	22,669

* Savannah Naval Stores Exchange suspended trading on February 12, Lincoln's Birthday.

The War Food Administration reports having sold from surplus government-owned stocks 198 drums of vinsol resin to a naval stores company in Savannah.

Pine Oil—WPB has allocated about 25 percent of the applications for this oil for February and is expected to allocate as much as 33⅓ percent for March.

Varnish Gums

Copal—Importers and other suppliers of Congo copal gum have been greatly perturbed within the past week by telegraphic advices from the protective coatings branch of WPB directing them not to put into process any of this natural resin in its natural state or to deliver either natural or processed types except as specifically authorized in writing by that board. Applications for such authorizations, it has been added, should state the quantity, name of the customer and the customer's proposed enduse and should be directed to this WPB branch, in Washington, D. C.

This inhibition of long-planned immediate deliveries of this gum on contracts and orders, booked even before the relatively recent arrivals of several lots of this resin from the Belgian Congo, has all the earmarks of a belated allocation control of this gum, although so far unaccompanied by any formal allocation order from WPB.

Shellac—Although the supply situation in seedlac and T. N. shellac has been eased to some extent by the recent arrivals of material bought last October and the prospect of additional arrivals next month of shellac shipped in January from the Kusmi crop in the country of origin, the output of the bleachers continues held down by lack of adequate labor and the present relatively small allotment to them of denatured alcohol, albeit all of the bleacheries are now operating again.

Meanwhile, with virtually no seedlac or T. N. now available to the private trade from the stocks of the Defense Supplies Corporation, supplies of all except the paler grades are none too plentiful and no new offers are being made from India.

Glues and Binders

Casein—With a notable reduction in the amount of casein available in Argentina from this year's drought-impaired crop and with keen competition encountered in competitive bidding for the bulk of the material available in that country on the part of Great Britain, Brazil and Russia, American importers are experiencing considerable difficulty in making any additional purchases in Argentina and still greater trouble in procuring cargo space on ships leaving there for the United States. Meanwhile, domestic production continues at ebbtide and, even when it is rejuvenated with the beginning of the spring milk flow, it is not expected to reach more than approximately 5,000 tons.

An arrival of 2,000 bags, weighing 220,462 pounds, is noted.

AKUSAKA WAX
replacement for Japan Wax

CORUMBU WAX
replacement for Carnauba Wax

T. G. COOPER & COMPANY, INC.
47 N. Second Street Philadelphia 6, Pa.

THE BRODE CORPORATION
MEMPHIS, TENNESSEE

Domestic and Export
PRODUCTS OF COTTONSEED, PEANUTS, SOYBEANS and GROUND GRAINS
Members: Memphis Merchants Exchange, Chicago Board of Trade, Grain and Feed Dealers National Association, American Feed Manufacturers Association, Inc., National Cottonseed Products Association
Codes: Topps Robinsons, Bentleys ABC, 5th Edition Peerless

HIGH MELTING POINT

ARISTOWAX

FULLY REFINED PARAFFIN WAX

PRODUCT OF
THE UNION OIL COMPANY OF CALIFORNIA

DISTRIBUTORS

PETROLEUM SPECIALTIES, Inc.
400 Madison Avenue PLaza 8-2644 New York 17, N. Y.

Textile and Leather Chemicals

Buying interest was active for the majority of textile and leather chemicals during the week. The dearth of most materials continued to affect business and restricted trading to limited quantities.

Tanners were experiencing difficulty in placing contracts for imported tanstuffs for nearby and forward requirements owing to the scarcity of materials at producing centers. Tight supply situation in divi-divi and mangrove bark has become pronounced and there has been no improvement in obtaining wattle bark and extract. The increase in the price ceilings of liquid and ground quebracho extracts has adjusted the cost situation which has been holding up business in these grades. Inquiry for all grades of quebracho was active.

Increases in price ceilings ranging from 25 to 75 cents a hundred pounds for primary chromium chemicals were announced by the Office of Price Administration, effective February 17, under MPR 575. This represents the first change in prices since July, 1941, OPA said, and are necessary to restore earnings to pre-war levels. Higher production costs have resulted from increased prices for chrome ore and labor costs. Industrial users will absorb the increases, OPA explained.

Manufacturers and resellers of one-bath chromium tanning compounds other than dry basic chromium sulphate types must apply to OPA's national office for maximum prices before sales are made.

Chemicals

Alumina Formate — Moderate demand continued for prompt requirements. Market was firm with supplies sufficient to meet demand.

Bichromates — Price ceilings were advanced, ranging from 25c. to 75c. a hundred pounds for primary chromium chemicals by the Office of Price Administration, effective February 17. The increases represent the first change in prices for the commodities since July, 1941. Higher production costs have resulted from increased prices for chrome ore and higher labor costs. Industrial users of the chemicals will absorb the increases, OPA said.

Increases granted by the new regulations are:—

Sodium bichromate, crystals or granular; potassium bichromate, crystals or granular, and powder; and neutral sodium chromate, anhydrous or crystal, per 100 pounds	$0.50
Sodium bichromate liquor and sodium chromate liquor, per 100 pounds equivalent weight of sodium bichromate crystals contained	.50
One-bath chromium tanning compounds, dry basic chromium sulphate types, per 100 pounds	.25
Chromic acid, per 100 pounds	.75

The higher ceilings will not be applied to contracts for the current quarter, but will be added to new quarterly contracts beginning April 1.

Sulphonated Oils—Conditions continued firm, with consumers absorbing moderate quantities for prompt delivery. Quotations were unchanged and steady for all grades.

Sizing Materials

Albumen, Blood — Consuming demand has improved during the week. Consumers absorbed larger quantities for prompt requirements. Supplies, however, were ample to meet the increased buying interest. Prices were firm and unchanged. Interest in dried soluble blood also was more active.

Albumen, Egg—Prospects of delay of the production for next season of at least a month gave the market a stronger tone and increased buying interest. Egg receipts at plants have been delayed by the bad weather, which will probably postpone start of the production from March 1 to about April 1. Demand was active, but offerings were restricted. Granular was held at $2.02 to $2.03 per pound, in barrels on the spot.

Egg Yolk—Limited quantities on the spot were firmly maintained at $1.12 to $1.13 per pound in barrels for small lots. Consuming inquiry has increased for next month delivery because of the slowness of egg receipts at the producing points, owing to the bad weather conditions. Production was not expected to be in full swing until April. The rate of egg production during January was 9.92 eggs per layer, compared with 9.98 in January last year, and 7.55 for the 10-year average.

Market Trends

Prices Advanced

None

Prices Reduced

None

Comparative Price Indexes

(100=August 1, 1914)

Last week.	Prev. week.	Last month.	Last year.
284.6	284.6	284.0	267.4

Starch, Corn—Demand continued in good volume for immediate needs. Producers report an active call for delivery against current orders. Deliveries were still hampered by ice and snow. Prices were firm at ceilings. The corn grind of eleven refiners of starches, syrups, sugars and other corn derivatives for domestic use during January totaled 11,251,877 bushels as compared with 11,364,015 bushels for the same month last year. The visible corn supply was increased 1,218,000 bushels to 19,239,000 bushels during the week ended February 10 against 20,000,000 bushels a year ago. A total of 2,919,672 pounds of powdered corn starch in cans was purchased at 7.55c. to 8.03c. per pound, by the War Food Administration, January 22. Purchases of 1,800,000 pounds of powdered and pearl starch were made at 3.539c. to 3.72c. per pound in bags f.o.b. works, January 26; 1,000,000 bags at 3.737c. and 3.892c. per pound, bags, same basis, January 27 and 2,200,000 pounds at 3.727c. to 3.9072c. per pound, bags, same basis, February 1, according to the War Food Administration.

Starch, Potato — Tight supply conditions showed no improvement during the week. Demand continued active with trading confined to small lots owing to light supplies. Production has been reduced by the light deliveries of potatoes to mills. Quotations were firm at ceilings.

Tapioca Flour — Supplies on spot were at low ebb. Holders of small lots were restricting sales to regular customers. Receipts from Brazil were reported at 2,400 bags. Arrivals of late have been light and delivered to consumers on previous orders. Offerings from Brazil continued scarce and were held well above import ceilings.

Tanning Materials

Divi-Divi—An active demand for prompt and nearby shipment from primary centers failed to bring out offerings of sizable quantities. Reports from producing centers state that the crop is short, reducing the available supplies for shipment. Prices were firm at the recent advances.

Mangrove Bark—Supply conditions at primary markets were said to have tightened. Offerings for shipment have decreased of late, giving the market a firmer tone. Consumers were showing a good interest in forward requirements. Quotations were well held and unchanged.

Myrobalans—While available supplies at primary points were offered more freely, trading was not active and spotty. Quotations were steady for all positions.

Quebracho—Consuming interest continued active, with tanners in the market for forward delivery. Business was placed for sizable quantities for prompt and nearby shipment at ceilings. Higher ceilings for ground and liquid extract named by OPA which became effective February 15, have cleared the cost situation and speeded up transactions in these grades.

Tara Powder—Trading was inactive. Prices unchanged and nominal at $120 per ton, spot delivery.

Wattle Bark—Demand for bark and extract continued active. Consumers showed an active inquiry for prompt and forward requirements. Primary markets were firm at ceilings with late advices to the effect that supplies for shipment during the first of the year were practically unobtainable. Receipts of bark amounted to 9,210 bales and extract, 2,955 bags.

For Current prices see alphabetical listing beginning on page 9.

ALBUMENS

SPECIFY "GARTENBERG"

. . . always Uniform

. . . always Dependable

★ THE LARGEST MANUFACTURERS AND EXPORTERS OF TECHNICAL EGG PRODUCTS OFFER YOU DOMESTIC ALBUMENS AND EGGS, LIQUID OR DRIED, IN ANY FORM FOR EVERY INDUSTRIAL USE.

Write for Samples and Quotations

★★ SPEED VICTORY—BUY WAR BONDS ★★

H. GARTENBERG & CO., Inc.

Largest Manufacturers of Tanners' Egg Products

412 W. Pershing Road Chicago, Illinois

Cable Address: "GARTEGG"

TANNING FISH OIL

SCANDINAVIAN OIL COMPANY

104 Front St. — Phone WHitehall 4-0722 - 0723 — New York 5, N. Y.

ALUMINUM CHLORIDE

ANHYDROUS

PHOSGENE

(CARBONYL CHLORIDE

NIAGARA CHLORINE PRODUCTS CO.

LOCKPORT, NEW YORK

Mutual BICHROMATES

▣ BICHROMATE OF POTASH

▣ BICHROMATE OF SODA

▣ CHROMIC ACID

MUTUAL CHEMICAL COMPANY OF AMERICA

270 MADISON AVENUE NEW YORK 16, N. Y.

SODIUM BENZOATE FLAKES

give you easier blending . . . better results

Monsanto Sodium Benzoate, U.S.P., in flake form, is proving a boon to the food and soft drink industries. In flake form, sodium benzoate is free-flowing and makes less dust. It does not ball, hence is easy to blend for uniform results in margarine, preserved fruits, pickle brine and beverages.

We recommend Monsanto Sodium Benzoate flakes for ease of application and improved results. However, we manufacture the sodium benzoate in powder form for those who prefer it. For complete information on the application of Monsanto Sodium Benzoate, U.S.P., to your products . . . or for samples . . . contact the nearest Monsanto office or use the convenient coupon. MONSANTO CHEMICAL COMPANY, Organic Chemicals Division, 1700 South Second St., St. Louis 4, Missouri. District Offices: New York, Chicago, Boston, Detroit, Charlotte, Birmingham, Los Angeles, San Francisco, Seattle, Montreal, Toronto.

MONSANTO CHEMICALS—for food and soft drink industries

Ammonium Benzoate	Ferric Orthophosphate	Sodium Benzoate U.S.P.	
Benzoic Acid U.S.P.	Ferric Pyrophosphate	Sodium Ferric Pyrophosphate	
Calcium Phosphates	Methyl Salicylate	Sodium Phosphate, Di	
Calcium Pyrophosphate	Phosphoric Acid	Sodium Phosphate, Mono	
Coumarin Monsanto	Phosphoric Acid Paste	Sodium Phosphate, Tri	
Ethavan	Sodium Acid Pyrophosphate	Vanillin Monsanto	

MONSANTO CHEMICALS
SERVING INDUSTRY...WHICH SERVES MANKIND

MONSANTO CHEMICAL COMPANY,
Dept. O(P)-2, Organic Chemicals Division,
1700 S. Second St., St. Louis 4, Mo.

Please send information on Monsanto Sodium Benzoate, U.S.P., and samples indicated. ☐ Sodium Benzoate Flakes; ☐ Sodium Benzoate Powder.

*Name*_____

*Company*_____

*Street*_____

*City*_____ *Zone*_____ *State*_____

Drugs and Fine Chemicals

Quicksilver and menthol were the sensitive spots in the drug and fine chemical market last week. Reports and fact regarding quicksilver got badly tangled at times but because of prices definitely known to have been asked on the Pacific Coast, it was difficult to credit reports of spot sales around $5 to $10 below Pacific coast values; usually, spot prices are about $5 higher than the West Coast. In menthol, the irritating element was twosided. One side was the presence on spot of large stocks of 1944 menthol bought in Brazil at high prices. The other side was the fear that Brazil may market a good sized 1945 crop at prices lower than some expect. Combined, they kept prices unsettled.

Spain was reported offering and selling quicksilver to this country. That is interesting, especially in view of the fact that the United States government probably still owns a large amount of quicksilver held in Spain. Mercurials were firmly priced and in good request.

During the week, WPB ordered ethyl ether under allocation as of March 1, making it then subject to schedule 91 of WPB order M-300 and setting the small order exemption at 1,240 pounds or less. Protection of war needs was the cause.

Seasonable drugs were in excellent request and civilian users have not been inconvenienced thus far during the Winter period. Considering the takings of the government, the availability of Winter-consumed drugs and fine chemicals to civilian consumers is a real achievement of production. Plentiful stocks of imported corn syrup were being pressed actively for prompt sale in quantities ranging one drum to a carlot.

Acetaldehyde — A check reveals complete price stability and a steadily maintained consumer interest that holds close to recently prevailing levels.

Acetone—Leading suppliers continued to report an exceedingly tight position. Demand output and only essential requirements can be supplied now.

Acid, Ascorbic—The available supply is ample and deliveries are on an exceptionally prompt basis. Prices appeared to be steady since the prevailing schedule was reported closely shaped to production costs.

Acid, Citric—The major users of this article seem destined to continue on short rations for an indefinite period. Until normal supplies of raw material are again available to the makers, limited output will require continued limitations on allocations of the material to its largest users.

Acid, Lactic—Movement of U.S.P. acid was along conventional lines and it appeared reasonably certain that all essential requirements could and would be met.

Acid, Tartaric—Exports from Argentina in the period of January-October, 1944, increased 25 percent over those in the corresponding time a year ago. In the 1944 period, 1,038,956 kilos were exported, comparing with 828,338 kilos in the corresponding time in previous year.

Alcohol—Activity in the market for industrial alcohol proved to be a routine affair last week. With the major part of present production being earmarked solely for essential uses, the problem of the trade is to make production quotas that war needs shall be met promptly when due and according to schedule.

Ammonia Benzoate—Demand was excellent and output found ready buyers to an extent that kept unsold quantities down to minimum totals. Prices appeared to be in strong position throughout the period.

Ammonia Hypophosphite—Business was along routine lines. Leading producers indicated that sales totals were being maintained at close to normal limits and that prices in general were subject to stabilizing lements.

Ammonia Thioglycollate — Highly purified material was sold under considerable competition offered by products whose impurities permit a deal of price competition.

Arecoline Hydrobromide—Considerable competition has developed at times of late and market comment to the effect of prices having been shaded occasionally was noted. Stocks seemed more widely distributed.

Atropine—Although larger stocks that are more widely distributed continued to prevail, price declines in the not far distant past appeared to have brought about a schedule definitely in line with production costs and involving but a moderate return to the seller.

Borax—Deliveries were prompt, ample, and capable of being expanded substantially should the need arise. Undertones of the market were on the firm side and prices seemed completely stable.

Brucine—Jobbing orders were more numerous but total volume of sales was little changed from the conservative limits common to the market for some time past.

Calcium Mandalate—Reserves were sufficient to protect sellers against a substantial expansion in demand. Activity was routine but sufficient to keep the market steady.

Camphor—War needs take heavily of the excellent production of synthetic material. They reduce the output of strictly USP camphor and there is some delay in deliveries on the latter material.

Castor Oil—Demand for oil was reported very good. Cables from Brazil eased slightly, $76 to $77 per long ton, f.o.b. Brazilian ports being reported without confirming business having been done. Buyers' views are about $75. Processing of beans in Mexico has increased sufficient to provide some oil for export. No major cultivation of beans is likely there, however, because Mexican farmers view the current market as exceptional and due to last only for the duration of the war. Stocks of beans were up 7,953,900 pounds, bringing the total of imports since January 1 to 24,008,550 pounds. The total for the corresponding period in 1944 was 42,953,900 pounds.

Chicago, Feb. 14.—Castor oil prices are:—Cold pressed, U.S.P., returnable drums, carlots, 14½c. per pound; drums, less than carlots, 15¼c.; tanks, 13¾c.; No. 3, extracted, returnable drums, carlots, 14¾c.; drums, less than carlots, 15c.; tanks, 13½c.

Corn Syrup—Good sized stocks of Argentine syrup are held here. It is high test goods and its ready availability compensates somewhat for the high price necessarily charged here because of the shipment prices paid at the source. Anything from a single drum to a carlot may be had.

Cream of Tartar — Business was quiet. Some resale goods were said to have been available at slightly less than producers' schedules. In the main, however, the makers' price was the market on the majority of orders last week.

Emetine Hydrochloride—Not plentiful so far as ordinary needs are concerned. Army requirements take up the major part of production.

Ephedrine—No difficult has been experienced in delivering promptly the total requirements of any and all buyers. Business has also resulted in a steady price position.

Ethyl Ether—This item is now under control of schedule 91 of WPB order M-300. Military needs forced the allocation of supplies. The small order exemption is 1,240 pounds or less per month. Allocation begins March 1.

Fishliver Oils—Consumption takes production so promptly as to make exceptionally low reserves in hands of the producers. No further information has been noted regarding OPA and its cogitations regarding a change in ceiling prices.

Los Angeles, Feb. 14—The fishliver oils market here this week was practically at a stand-still because of lack of supplies. Some livers have been com-

For Current prices see alphabetical listing beginning on page 9.

Market Trends

Prices Advanced

Quicksilver, Pacific Coast, $5 per flask.

Prices Reduced

Castor beans, $1 per long ton.

Comparative Price Indexes

(100=August 1, 1914)

Last week.	Prev. week.	Last month.	Last year.
231.6	231.6	232.4	243.7

KESSCO PRODUCTS
CHEMICAL SPECIALTIES
Manufacturers of
BUTYL STEARATE
Laurate, Myristate, Oleate, etc.
ETHYL LAURATE
Caprate, Myristate, Oleate, etc.
METHYL OLEATE
and other Methyl Esters
TRIACETIN
DIBUTYL TARTRATE
AMYL ALCOHOL ESTERS
For use as: SOLVENTS, CARRIERS, ADDITIVES, SOFTENERS, PLASTICIZERS, BINDING AGENTS, COATING MATERIALS, and for other purposes.
KESSLER CHEMICAL CO., Inc.
Established 1921
STATE ROAD and COTTMAN AVENUE, PHILADELPHIA, PA.

ask Berk for
MERCURY and MERCURIALS . . .
ARMY E NAVY
PRIME VIRGIN MERCURY
REDISTILLED MERCURY
CORROSIVE SUBLIMATE
WILSON'S MIXTURE BLUE
MERCURY OXIDES (Yellow and Red)
MERCURIC IODIDE RED
MERCURIC NITRATE
PHENYL MERCURY COMPOUNDS
WHITE PRECIPITATE
MERCURY CYANIDE
CALOMEL
BERK
F. W. BERK & CO. INC.
WOOD-RIDGE NEW JERSEY
NEW YORK SAN FRANCISCO

SHOP TALK NO. 7

THIS FORMULA IS PERFECT! WHERE DO WE GET THE GLYCERINE?
FROM LEVER BROTHERS, OF COURSE. THEY'RE ALWAYS RELIABLE AND WE GET HELPFUL SERVICE, TOO.

WRITE, WIRE OR PHONE
LEVER BROTHERS CO. 50 Memorial Drive Cambridge, Mass.
Producers and Refiners
Refined GLYCERINE

SILICON TETRACHLORIDE

Stauffer CHEMICALS SINCE 1885

Boric Acid • Carbon Tetrachloride • Borax
Titanium Tetrachloride • Sulphur Chloride
Silicon Tetrachloride • Sulphuric Acid
Caustic Soda • Tartar Emetic • Liquid
Chlorine • Sulphur • Sodium Hydrosulphide
Carbon Bisulphide • Textile Stripper.

STAUFFER CHEMICAL CO.

420 Lexington Avenue, New York 17, N. Y.
444 Lake Shore Drive, Chicago 11, Illinois
424 Ohio Bldg., Akron 8, O.
Orlando, Florida
555 South Flower Street, Los Angeles 13, Cal.
636 California Street, San Francisco 8, Cal.
North Portland, Oregon
Houston 2, Texas

VITAMIN PRODUCTS

FISH LIVER OILS—CONCENTRATES
THE ATLANTIC COAST FISHERIES COMPANY
111 JOHN STREET, NEW YORK 7, N. Y.

DIMETHYL PHTHALATE
TRIACETIN
110 EAST 70th STREET, CINCINNATI 16
13 EAST 37th STREET, NEW YORK 16

MANUFACTURING CHEMISTS
FRIES & FRIES INC CINCINNATI U.S.A.

ALL GRADES OF **REFINED GLYCERINE**

U. S. P. B. P.
YELLOW DISTILLED
HIGH GRAVITY
DYNAMITE

REFINERIES LOCATED AT
★ Brooklyn, N. Y.
★ Jeffersonville, Ind.
★ Jersey City, N. J.
★ Berkeley, Calif.
★ Kansas City, Kans.

COLGATE-PALMOLIVE-PEET CO.
GLYCERINE DEPARTMENT
105 HUDSON STREET JERSEY CITY 2, NEW JERSEY

MAX VAN PELS

IMPORT • EXPORT • DOMESTIC
Botanicals • Gums • Chemicals
441 Lexington Ave., New York 17, N. Y.
MUrray Hill 2-0329

MILK SUGAR
(LACTOSE)

Produced at Our Gustine, Cal., Plant

Highest Quality
Powdered Impalpable
Best Prices

"When you think of MILK SUGAR, think of S-K-F"

LARGEST INDEPENDENT PRODUCERS

SMITH, KLINE & FRENCH LABORATORIES
Philadelphia, Pa.

MENTHOL

FQ

Manufactured by
FONTO-QUIMICA
S. A.
SAO PAULO, BRAZIL

Exclusive Agents for United States
J. BERLAGE COMPANY
10 East 40 Street New York 16, N.Y.
Phone: MUrray Hill 3-5946

ing in from Mexico, but the potency was about 25 percent lower than it has been in the past. All sales have been made at the ceiling.

Glycerin—Prices held steadily and there was a deal of real strength governing the market throughout the past week. Absorption of the excellent production fails to cut down much on the accumulation of a backlog of stocks so desirable in view of the expected world-wide expansion in demand after the war ends.

Chicago, Feb. 14.—Glycerin prices are: —Chemically pure, tankcar, 15c. per pound; drums, carlots, 15c.; drums, less than carlots, 15¾c.; high gravity, tankcar, 14¼c.; drums, carlots, 14½c.; drums, less than carlots, 15c.

Menthol — Reserve on the part of buyers, who evidently are awaiting new crop offerings at prices which they expect to be lower, continued to be noted. Sales at higher than $12.75 per pound failed, according to several quarters and the presence of substantial quantities of old crop material, plus the pending new crop influences, tended to keep competition well to the front.

Quicksilver — There was talk about spot metal being available at $165 per flask but actual, firm offerings at that figure were not in the open market at least. With the Pacific Coast wanting $175, spot would be close to $180, a figure arrived at by reckoning transportation costs at reasonably normal limits. Spot was quoted nominal at $175, made without offer. Spain was said to have offered and sold to this market around $155 per flask.

San Francisco. Feb. 14.—The price of quicksilver halted its upward trend here this week when producers quoted metal at $175 per flask, f.o.b. San Francisco. Extremely little spot metal was available. The market was very tight, and all indications were that it would remain so.

Quinine—London reports that quinine stocks as of April, 1944, were 244,000 pounds in India. Prewar production in India was 90,000 pounds a year. Prewar consumption in India was estimated at 200,000 pounds a year.

Totaquine — India was reported to have received about 1,000 pounds of this article in 1944, serving as an assist in the use of quinine to control malaria.

Research Projects

—Continued from page 3

ing war production. For example, OPRD spent $200,000 for research on one war project, with the result that industry and other government agencies invested an additional $50,000,000 and the project was brought to a successful conclusion months earlier than otherwise would have been possible.

No small part of the activity of OPRD has been in advising industry on more efficient war-production processes of penicillin manufacture, information on the building of DDT insecticide plants, advice on a catalyst in aviation gasoline manufacture, and information on waterproof materials. Projects being carried on at present include a process for making industrial alcohol from wood waste, and processes for efficient production of vinylpyridin rubber and of channel carbon black fo rtires. A program for quality control of war-plant production of statistical methods to testing products was begun by OPRD in the Spring of 1942 and more than thirty courses in quality-control methods have been given by cooperating universities for plant inspectors, executives, and other employees.

Some of the special projects carried on with OPRD sponsorship are summarized below:—

Alcohol.—As a result of OPRD investigation of the Scholler wood-hydrolysis process for manufacturing industrial alcohol, a plant is under construction to have a capacity of 4,000,000 gallons of alcohol a year. Effective coordination by OPRD of research on the program to shift alcohol plants from the use of corn to wheat as a raw material is estimated to have speeded up this program by six months and helped prevent a shortage of industrial alcohol for the synthetic rubber program.

Mica.—Instruments were developed to detect defects in mica, which it is estimated may result in saving up to 60 percent of the mica formerly discarded. There never has been sufficient high-grade mica mined in the United States for war requirements.

Motor Fuel.—Development of a widely used additive for military aviation gasoline was coordinated. Technical advice was given on raw materials and processes for producing a catalyst in aviation gasoline manufacture, with a resulting increase in production of about 20 percent.

Penicillin.—OPRD has coordinated the technological aspects of the conversion from laboratory to plant processes in penicillin manufacture. It is impossible to measure the value of this coordination accurately, but it probably advanced the plant program of penicillin production about three months. Three new strains of penicillum mold have been developed in OPRD projects. These strains are capable of producing two to three times as much penicillin as those originally used. Millions of dollars in plant construction have been saved by the use of these strains.

Quinidine. — A practical and efficient synthesis of quinidine, used for certain heart diseases, was developed with quinine as the raw material. The production of a synthetic quindine is important because of the present shortage of imported quinidine.

Rubberless Adhesive. — A rubberless adhesive material for making industrial tapes, especially those needed by the armed services, has been produced. The raw material was tall oil, a waste product of the pulp industry.

Synthetic Rubber Materials.—OPRD is concerned with the problems of a suitable processing of raw materials needed for vinylpyridin rubber, a product which appears to exhibit better properties for tire construction than the present standard product, Buna-S. Research also is being encouraged to increase the production of carbon black and similar additives needed for tire treads in existing plants.

Tin.—Researches on the substitution of lead for tin in solders has resulted in an estimated saving of tin amounting to approximately 15,000 tons per year.

Waterproof Materials.—A specially impregnated cotton was developed that proved satisfactory as a waterproof material for certain military uses.

Steuben Glass Elects La Follette Vice-President

Charles D. La Follette, vice-president and director of sales of Corning Glass Works, has been elected vice-president of Steuben Glass, Inc., a wholly owned subsidiary. J. Norman Reilly, manager of the consumer products division of the parent organization, has been made a director of Steuben.

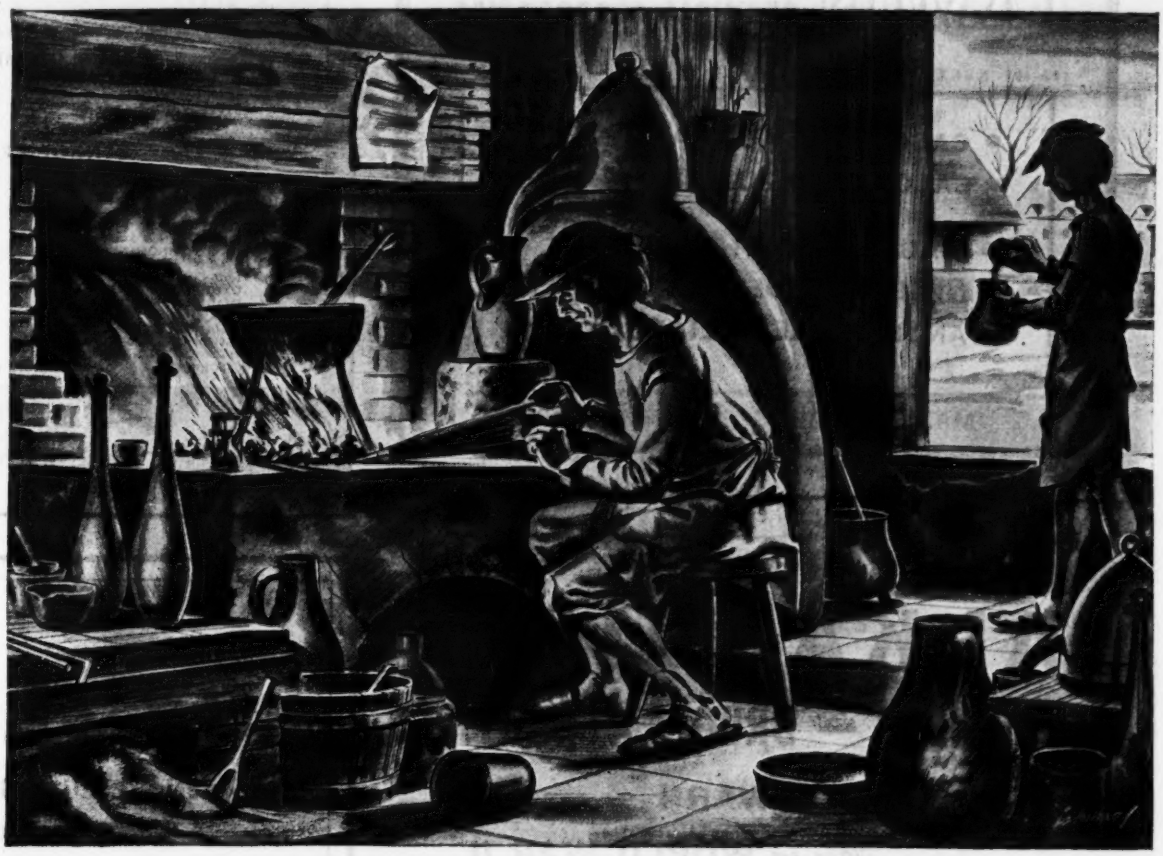
Southwest Lime & Chemical Company is the firm name under which W. R. Sawrey has published a certificate that he is conducting business at 5616 Heliotrope avenue, Maywood, Los Angeles, Calif.

Pharmacal Information Office Formed

Establishment of an Office of Pharmacal Information by the Proprietary Association of America is announced by Dr. Frederick J. Cullen, executive vice-president. The OPI, with headquarters in New York and Washington, represents the major activity in the continuation of the association's public relations program for 1945 as recently voted by the executive committee. Baldwin & Mermey continues as public relations counsel. Dr. Cullen will supervise the activities of the Office of Pharmacal Information, which will issue news letters covering research, both within the industry and independently by institutions and others, into proprietary preparations and their ingredients.

Warner & Co. Names Rogers Pharmaceutical Superintendent

L. M. Rogers has been appointed superintendent of the pharmaceutical division of William R. Warner & Co., New York. He has been with the company for six years.



Potash and Smoke

ASKED how much smoke would be produced by the burning of 1,000 pounds of wood, Demonax, of Cyprus, answered: "Weigh the ashes! The missing weight has escaped as smoke." Ancient Greek writings reveal that this 2nd Century philosopher knew well the alkaline properties of wood and plant ashes (potash).

Alkaline plant ashes were included in the earliest Persian Pharmacopeia (975 A.D.) as well as the Arabian Canon of Medicine (about 1000 A.D.). But it was not until Sir Humphry Davy in 1807 isolated potassium that the true composition of potash became known. Later, with the exploitation of the Stassfurt salt mines, the door was opened to the vast commercial production of potassium salts for medicine, pharmacy and chemistry.

For 78 years MALLINCKRODT CHEMICAL WORKS have produced potassium salts of QUALITY IN QUANTITY. During this time more than 125 standardized and special salts, including the Acetate, Bicarbonate, Borate, Bromide, Citrate, Gluconate, Iodate, Iodide, Metabisulfite, Oxalate, Phosphate, Sulfate and Sulfite, have been of service to chemical users.

MALLINCKRODT CHEMICAL WORKS

FINE CHEMICALS Mallinckrodt SINCE 1867

FOR VICTORY BUY UNITED STATES WAR BONDS AND STAMPS

78 Years of Service to Chemical Users

Mallinckrodt Street, St. Louis 7, Mo. • 74 Gold Street, New York 8, N.Y.

CHICAGO • PHILADELPHIA • LOS ANGELES • MONTREAL

SILICA GEL

DESICCANT GRADE

International

MINERALS & CHEMICAL CORPORATION

General Offices • 20 North Wacker Drive • Chicago 6

CHEMICALS • PHOSPHATE • POTASH • FERTILIZER

FOR QUALITY AND SERVICE

FIXANAL PREPARATIONS

for STANDARD and NORMAL SOLUTIONS

Write for details

P&B

SINCE 1900

Pfaltz & Bauer, Inc.

EMPIRE STATE BUILDING, NEW YORK

LAMON CHEMICAL CORPORATION

Executive OFFICES and PLANT:

434-438 HUNTS POINT AVE., BRONX 59, N. Y. DAyton 3-7030-31

- CACODYLIC ACID AND SALTS
- CALCIUM LEVULINATE
  For Tablets and Injections
- MAGNESIUM THIOSULFATE
- NIKETHAMIDE NNR
- ANTIPYRENE SALICYLATE

MANUFACTURING CHEMISTS

EDW. S. BURKE — J. F. HOLLYWOOD

Representing:

CARUS CHEMICAL CO., INC.

BENZOIC ACID
SODIUM BENZOATE
HYDROQUINONE
MANGANESE CARBONATE
MANGANESE DIOXIDE
MANGANESE SULFATE
POTASSIUM PERMANGANATE
RARER PERMANGANATES

BENZOL PRODUCTS CO.

AMINOACETIC ACID (Glycocoll)
AMINOPHYLLINE
BENZOCAINE
CHINIOFON (Yatren)
CHLORBUTANOL
CINCHOPHEN & SALTS
IODOXYQUINOLIN SULPHONIC ACID
NEO CINCHOPHEN
OXYQUINOLIN BENZOATE
OXYQUINOLIN SULPHATE
POTASSIUM OXYQUINOLIN SULPHATE
PHENOBARBITAL & SALTS
TETRA-IODO-PHENOLPHTHALEIN SODIUM
THEOPHYLLINE
DIACETYL
PHENYL ACETIC ACID
BENZALDEHYDE
BENZYL ALCOHOL
BENZYL CHLORIDE
BENZYL CYANIDE
DIETHYL MALONATE
DIMETHYL UREA
CYANOACETAMIDE
CYANO ACETIC ACID
ETHYL CYANO ACETATE
8—HYDROXYQUINOLIN
8—HYDROXYQUINOLIN—5—SULPHONIC ACID

EDW. S. BURKE

Established 1917

132 FRONT STREET - NEW YORK N. Y.

ALKALOIDS

GLUCOSIDES — DRUG EXTRACTIVES

As in **WORLD WAR I**

Now in **WORLD WAR II**

ACONITINE
ARECOLINE
ASPIDOSPERMINE
ATROPINE
BERBERINE
CHRYSAROBIN
COLCHICINE
DIGITALIN
EPHEDRINE
ESERINE
HOMATROPINE
HYDRASTINE
HYOSCINE
HYOSCYAMINE
LOBELINE
PICROTOXIN
PILOCARPINE
SANGUINARINE
SPARTEINE
STROPHANTHIN
YOHIMBINE

YOHIMBINE HYDROCHLORIDE

So-called "Yohimbine" is highly important as an aphrodisiac in veterinary medicines.

This is just one of the many alkaloids that we have been manufacturing for the pharmaceutical trade for twenty-seven years.

We solicit your inquiries for spot or/contract delivery over six months period.

INLAND ALKALOID COMPANY

MANUFACTURING CHEMISTS

TIPTON INDIANA U.S.A.

CYCLONOL

1-methyl-3-dimethyl-cyclohexanol-(5)

A homologue of Meta Menthol

White crystals with characteristic cooling effect and odor of natural Menthol. Toxicity reports available showing that the effect on the skin and the acute toxicity of Cyclonol are no greater than those of Menthol U. S. P.

Originally introduced as a substitute for Menthol; Cyclonol is now widely accepted as a primary material on its own merit.

$2.50 per lb. f. o. b. Bloomfield, N. J. in 36 and 72 pound case lots.

•

Manufactured by

FRIES BROS.

R. W. GREEFF & CO.

10 ROCKEFELLER PLAZA — NEW YORK CITY

TRIBUNE TOWER — CHICAGO, ILL.

DSC Offerings

– Continued from page 7

Schenectady, N. Y.; 200 10-gram vials, Atlanta, Ga.

Ferric Ammonia Citrate, 195 pounds, Richmond, Va.

Ferric Nitrate, CP, 5,815 pounds, Edgewood Arsenal, Md.

Ferrous Sulphate, 9,613 pounds, Cincinnati, Ohio.

Floor Emulsion, 22 drums, N. Little Rock, Ark.

Flux, 5,417 pounds, Pine Bluff Arsenal, Ark.; 975 pounds, Auburn, Wash.; 10,100 pounds, Edgewood Arsenal, Md.; 1,128 gallons, Akron, Ohio; 75 gallons, Pine Bluff Arsenal, Ark.; 47 gallons, Detroit, Mich.; 27,501 pounds, Detroit, Mich.

Formaldehyde, 341 gallons, Edgewood Arsenal, Md.

Glue, 55 gallons, Orchard Grove, Ill.; 75 gallons, Rye, N. Y.; synthetic, 600 pounds, Marietta, Pa.; urea-formaldehyde liquid, 20,976 pounds, Marietta, Pa.

Glue Thinner, 1,334 pounds, Huntsville, Ala.; 899 gallons, Huntsville, Ala.

Glycol Sebacate, 85 gallons, Quantico, Va.

Grease, Aluminum Soap, 15,920 pounds, Oakland, Calif.

Hardener, Metallic, 20,000 pounds, N. Little Rock, Ark.

Hydrobromic Acid, 200 pounds, Denver, Colo.; 63 pounds, Binghamton, N. Y.; 125 pounds, San Francisco, Calif.

Hydrochloric Acid, 6,000 pounds, San Francisco, Calif.; 5,400 pounds, Savannah, Ga.

Hydrogen Peroxide, 6,194 gallons, Louisville, Ky.

Insulating Compound, 25 pounds, Orchard Grove, Ill.; 6,100 gallons, Portsmouth, Va.

Iron, Reduced, 1,700 pounds, Edgewood Arsenal, Md.

Isobutyl Methacrylate, 2,000 pounds, Edgewood Arsenal, Md.

Lead Acetate Compound, 805 vials, Schenectady, N. Y.

Lethane, 800 gallons, Mare Island, Calif.

Lime, Chemical, 25 tons, Huntsville, Ala.

Liquid Heat, ND, 200 pounds, Detroit, Mich.

Liquid Heat, 440 pounds, Detroit, Mich.

Lithium Carbonate, 122 pounds, Schenectady, N. Y.; 125 pounds, Los Angeles, Calif.

Magnesium Oxide, 229 pounds, Edgewood Arsenal, Md.; 6,600 pounds, Huntsville, Ala.

Magnesium Silicofluoride, 3,333 pounds, Marion, Ohio.

Magnesium Sulphate, 400 ounces, Los Angeles, Calif.; 4,383 pounds, Cincinnati, Ohio.

Malachite Green, 2,500 10-gram vials, Louisville, Ky.

Manganese Dioxide, 2,200 pounds, Lawrence, Mass.

Manganese Oxide, Black, 20 pounds, St. Louis, Mo.

Marine Glue, 2,950 pounds, Huntsville, Ala.

Metatoluidine, 11 pounds, Edgewood Arsenal, Md.

Metal Polishing Compound, 1,133 pounds, Memphis, Tenn.

Methyl Orange, 4,304 10-gram vials, Louisville, Ky.

Methyl Violet, 36,000 10-gram vials, Louisville, Ky.

Molybdic Acid, Anhydride, 138 pounds, Binghamton, N. Y.; 250 pounds, Savannah, Ga.; 1,000 pounds, San Francisco, Calif.

Nickel Hydroxide, 118 pounds, Cincinnati, Ohio.

Nickel Sulphate, 9,000 gallons, Cincinnati, Ohio.

Nitrocellulose, 36,316 pounds, Ravenna Ord. Center, Apco, Ohio; 536 drums, Romulus, N. Y.; cement, 5,381 pounds, Toledo; strips, 359 pounds, Huntsville, Ala.; rolls, 529 pounds, Huntsville, Ala.

Nitronaphthalene, 192 pounds, Edgewood Arsenal, Md.

Oil, Thinner, VPK, 500 gallons, Clarksville, Tenn.; 730 gallons, Pine Bluff, Ark.

Paint, Dye, 8,300 pounds, Newton Upper Falls, Mass.

Paper PH Indicator Strips, 1,799 vials, Schenectady, N. Y.

Parazole, 215 pounds, Edgewood Arsenal, Md.

Phenolamine, Alkylated Tertiary, 6,053 gallons, Alameda, Calif.; 551 gallons, Corpus Christi, Tex.; 2,950 gallons, Clearfield, Utah.

Phosphoric Acid, Tech., 244 gallons, Atlanta, Ga.

Phosphoric Acid, 362 gallons, Memphis, Tenn.; 392 gallons, Atlanta, Ga.

Phosphotungstic Acid, 749 ounces, Denver, Colo.; 150 ounces, Atlanta, Ga.; 1,314 ounces, Binghamton, N. Y.; 1,200 ounces, San Francisco, Calif.

Pitch, Emulsified, 55 gallons, Cincinnati, Ohio.

Plastic, Floor Leveler, Compound, 14,400 pounds and 7,260 gallons, Philadelphia, Pa.

Polyvinyl Alcohol, 15,250 pounds, Edgewood Arsenal, Md.; 7,343 pounds, Chicago, Ill.

Potash Acid Phthalate, 1,436 60-gram bottles, Binghamton, N. Y.; 1,388 bottles, Savannah, Ga.

Potash Bromide, 218 bottles, Schenectady, N. Y.

Potash Chloride, 10,000 ounces, Louisville, Ky.

Potash Chromate, 20 pounds, Schenectady, N. Y.; 48 pounds, Los Angeles, Calif.; 105 pounds, Binghamton, N. Y.

Potash Chrome Alum, 10 pounds, Cincinnati, Ohio.

Potash Dichromate, 155 pounds, Los Angeles, Calif.

Potash Ferrocyanide, 97,600 ounces, Louisville, Ky.; 225 ounces, Binghamton, N. Y.

Potash Iodate, ACS, 88 pounds, Binghamton, N. Y.

Potash Metabisulphite, Anhydrous, 6,000 pounds, Topeka, Kans.; 14,776 pounds, South Bend, Ind.

Potash Nitrate, 860 pounds, Edgewood Arsenal, Md.

Protective Finish, 613 gallons, Huntsville, Ala.

Re-Inhibitor Compound, 5 cans, Cincinnati, Ohio.

Rosin, USP, 54,690 ounces, Louisville, Ky.

Rust Preventative Compound, 20 gallons, Quantico, Va.; 800 pounds, Dixon, Ill.

Rust Preventative, 330 gallons, Huntsville, Ala.

Soda Acetate, 1,000 pounds, Louisville, Ky.

Soda Ash, 600 pounds, Little Rock, Ark.; 2,700 pounds, Philadelphia, Pa.

Soda Bisulphite, 200 pounds, Savannah, Ga.

Soda Bromide, 376 pounds, Hunts-

PROCTER & GAMBLE
Largest Producers and Refiners of
CHEMICALLY PURE GLYCERINE
U.S.P.
Packed in drums, cans and glass
Also other grades—Stocks in principal cities
Gwynne Building, Cincinnati, Ohio
Commerce Building, 155 E. 44th St., New York City

PHARMACEUTICAL, FINE AND INDUSTRIAL CHEMICALS
Fisher CHEMICAL COMPANY
LINCOLN BUILDING · 60 EAST 42ND STREET · NEW YORK 17, N. Y.
MUrray Hill 2-2587-8-9

R. GESELL
INCORPORATED
Manufacturing Chemists
★
Specializing in Private Formula Work
★
200 WEST HOUSTON STREET
NEW YORK 14, N. Y.

MUNN'S GENUINE COD-LIVER OIL MADE IN NEWFOUNDLAND
MUNN'S
NEWFOUNDLAND
MEDICINAL NON-FREEZING
COD LIVER OIL
Largest Manufacturers of Cod Liver Oil in Newfoundland for Over Fifty Years
Wire for lowest prices
W. A. MUNN & COMPANY, LTD.
ST. JOHNS - NEWFOUNDLAND

PARASEPTS
A group of white odorless compounds for preserving and stabilizing drug and cosmetic products.
METHYL PARASEPT
(Methyl Parahydroxybenzoate, N. F.)
ETHYL PARASEPT
(Ethyl Parahydroxybenzoate)
PROPYL PARASEPT
(Propyl Parahydroxybenzoate)
BUTYL PARASEPT
(Butyl Parahydroxybenzoate)
BENZYL PARASEPT
(Benzyl Parahydroxybenzoate)
Available in both Purified and Technical Grades
FINE HEYDEN CHEMICALS
HEYDEN
CHEMICAL CORPORATION
393 Seventh Avenue, New York 1
BRANCH: 180 N. Wacker Dr., Chicago 6

ORIGINAL PRODUCERS OF
MAGNESIUM SALTS FROM SEA WATER
MARINCO BRAND
MARINE MAGNESIUM PRODUCTS CORPORATION
A dependable source of supply for
MAGNESIUM CARBONATES
HYDROXIDES • OXIDES
(U. S. P. technical and special grades)
Main Office, Plant and Laboratories
SOUTH SAN FRANCISCO, CALIFORNIA
Distributors
WHITTAKER, CLARK & DANIELS, INC.
NEW YORK: 260 West Broadway
CHICAGO: Harry Holland & Son, Inc.
CLEVELAND: Palmer-Schuster Company
G. S. ROBINS & COMPANY
ST. LOUIS: 126 Chouteau Avenue
★ ★ ★

ville, Ala.; 10 pounds, Edgewood Arsenal, Md.; 1,100 pounds, Denver, Colo.

Soda Carbonate, 4,733 pounds, Cincinnati, Ohio.

Soda Chloride, 6,295 pounds, Cincinnati, Ohio.

CALCIUM THIOGLYCOLLATE

LACTIC ACID • LACTATES

APEX CHEMICAL CO., INC.
225 W. 34th Street, New York 1, N. Y.
Factory: Elizabeth, N. J.

Soda Fluoride, 2,900 pounds, San Francisco, Calif.

Soda Iodide, 30 pounds, Pine Bluff, Ark.; 2,200 pounds. Denver, Colo.

Soda Lime, White, 42,350 pounds, Edgewood Arsenal, Md.

Soda Oxalate, 98,800 pounds, Jacksonville, Ill.; 163,792 pounds, Detroit, Mich.; 75,600 pounds, Akron, Ohio; 100 pounds, Schenectady, N. Y.

Soda Phosphate, Monobasic, 203 pounds, Binghamton, N. Y.

Soda Phosphate, Dibasic, 162 pounds, Schenectady, N. Y.

Soda, Sal, 757 pounds, Camp Kohler, Calif.

Soda Silicate, 12,000 pounds, San Francisco, Calif.

Soda Sulphate, 7,414 pounds, Cincinnati, Ohio.

Soda Sulphide, Anhydrous, 1,335 pounds, Los Angeles, Calif.

Soda Sulphide, 383 ounces, Los Angeles, Calif.

Soda Sulphite, Anhydrous, 6,250 pounds, San Francisco, Calif.; 25,000 pounds, Louisville, Ky.; 3,425 pounds, Binghamton, N. Y.

Soda Sulphite, 14 barrels, St. Louis, Mo.

Soldering Fluid, 60 gallons, Zanesville, Ohio.

Stannous Chloride, 37 pounds, Cincinnati, Ohio.

Starch, Soluble, 490 ounces, Schenectady, N. Y.; 300 ounces, Binghamton, N. Y.

Strontium Oxalate, 10,800 pounds, Tooele, Utah.

Sudan III, 1,121 10-gram bottles, Louisville, Ky.

Sudan IV, 700 10-gram bottles, Louisville, Ky.

Sulfosalicylic Acid, 375 pounds, Denver, Colo.; 2,000 ounces, San Francisco, Calif.

Sulphur Monochloride, 1,670,000 pounds, Denver, Colo.

Sulphur, Flour, 900 pounds, Philadelphia, Pa.; 9,220 pounds, Huntsville, Ala.

Sulphurous Acid, 1,265 pounds, Denver, Colo.; 1,835 pounds, Ogden, Utah; 325 pounds, San Francisco, Calif.

Tar, 100 pounds, Camp Crowder, Mo.; liquid, 165 gallons, Orchard Grove, Ill.

Triphosgene, CP, 100 pounds, Edgewood Arsenal, Md.

Urea, 8,000 ounces, Los Angeles, Calif.; 16,600 ounces, Louisville, Ky.

Water Resistant Compound, 67,000 pounds, Dumas, Tex.

Zinc Sulphate, USP, 1,371 pounds, Binghamton, N. Y.

Food, Drug Law

—Continued from page 3

product must be tested by its condition at the time of seizure and not by what its condition might be after it has passed beyond interstate commerce channels or been transposed from the packages in which it was shipped or changed in form or content." If the interstate shipment is not a "palming off" of something inferior, it is not a violation of the statute because it has a potentiality of deception, the district court said, adding that, if the public is to be protected against the sale of colored poppyseeds unlabeled or improperly labeled it will require State law and State administration.

Law Is for Public

The circuit court disagreed with the district court completely. It said that for the lower court to set up deception of jobbers as the criterion for the determination of the issue of condemnation is clearly erroneous. The circuit court decision added:—

In Federal Securities Administrator v. Quaker Oats Company, 318 U. S. 218,230, the Chief Justice leaves no doubt that, from its text and legislative history, the purpose of the present food, drug, and cosmetic act was not confined to a mere requirement of truthful and informative labeling, which had been found inadequate to protect the consumer from "economic adulteration," by which less expensive ingredients were substituted, or the properties of more expensive ingredients diminished, so as to make the product, although not in itself deleterious, inferior to that which the consumer expected to receive when purchasing a product with the name under which it was sold.

Upon the principles of that case 'economic adulteration' in contravention of the act could not be avoided in the instance case by the limited effect which the district court gave to the express language of the act. Here, the consumer would be unaware that less expensive ingredients had been substituted and that the article was inferior to that which he expected to receive when making his purchase. The fact that the substituted article was not deleterious is immaterial. From its inception, to its last amendment, the pure food and drugs act was not designed primarily for the protection of merchants and traders; but was intended to protect the consuming public.

Research Board

—Continued from page 3

Secretary of War Henry L. Stimson, and Dr. Frank B. Jewett, president of the National Academy of Sciences.

The new board was set up by Dr. Jewett at the request of the armed services and is composed of twenty civilian scientists with an equal number from the Army and Navy. The joint announcement explained the reason for the board as follows:—

This war emphasizes three facts of supreme importance to national security: (1) powerful new tactics of defense and offense are developed around new weapons created by scientific and engineering research; (2) the competitive time element in developing those weapons and tactics may be decisive; (3) war is increasingly total war, in which the armed services must be supplemented by active participation of every element of civilian population.

The executive committee of the initially announced membership is made up of:—

Karl Compton, president of the Massachusetts Institute of Technology, chairman; Robert Adams, University of Illinois department of chemistry; A. H. Dockez, Columbia University College of Physicians and Surgeons; Brig. Gen. W. A. Borden, War Department special staff and director of new developments division; Rear Admiral J. A. Furor, coordinator of research and development, Navy Department.

Gets War Dep't Honor

Col. Joaquin E. Zanetti, of the Chemical Warfare Service has been awarded the Legion of Merit by the War Department. Colonel Zanetti, who is professor of chemistry and director of the chemical laboratories of Columbia University, will receive the award at Edgewood Arsenal on February 20.

Barnett's
CAROTENE
VITAMIN A POTENCY 600 MILLION UNITS PER POUND
A NATURAL FOOD COLORING
Write For Information
BARNETT LABORATORIES — LONG BEACH 5, CALIF.

CANADA BALSAM
NATURAL and PAPER FILTERED
MAY & BAKER
(Canada Limited)
400 Atlantic Avenue - - Montreal

SILMO
VITAMIN A-D PRODUCTS
• FISH LIVER OILS
• CONCENTRATES
Silmo Chemical Corp.
Laboratories and Main Office
VINELAND NEW JERSEY

DEPENDABLE HARCO PRODUCTS
For **EXPORT**
DRUGS • PHARMACEUTICALS
Private Formulas Packaged or Bulk
Write for Special PRICE LIST with EXPORTERS OWN NAME
HARCO CHEMICAL CORPORATION
MANUFACTURING CHEMISTS
2330-5th AVE., NEW YORK 35, N.Y. Tel. EDgecombe 4-1210

EDWAL
Allyl Amine
p-Diazodiphenylamine Sulfate
Phloroglucinol, Tech & C.P.
Potassium Thiocyanate, N.F. & C.P.
The new Edwal catalog and Price List No. 7-0 (dated January, 1945) listing many new chemicals is now ready. Write for it today.
The EDWAL *Laboratories, Inc.*
732 FEDERAL STREET CHICAGO, ILLINOIS

We Are Ready
to supply our complete line of
STANDARDIZED LIQUID PHARMACEUTICALS and SPECIALTIES
We are in a favorable position to supply
TINCTURE IODINE, U.S.P.
TINCTURE GREEN SOAP
MILD TINCTURE IODINE, U.S.P.
SOAP LINIMENT
Your requirements of other pharmaceuticals will be filled quickly.
Standard Drug Company
Incorporated
240 Central Avenue
Newark 4, N. J.

Quantity Producers of
SALICYLIC
ACID, U.S.P.
For a Multitude of Roles in the Pharmaceutical Industry
DOW
THE DOW CHEMICAL COMPANY
MIDLAND, MICHIGAN

Agricultural Chemicals

Tennessee phosphate rock was granted an increase of 10c. a ton by OPA effective February 17. The price increase is the estimated cost of an advance in wages recently given four companies engaged in mining and processing phosphate rock. Acidulators are using all the phosphate rock that their manpower and sulphuric acid supply will permit but judging from trade reports, the demand for superphosphate has run considerably beyond the current extent of output and placed the market in a definitely tight position.

Shipments of fertilizer materials in Northern areas have been seriously delayed by snowbound transportation and some production has been lost. These influences have stimulated buying interest from fertilizer mixers and distributors who have been continually warned about keeping their inventories sufficiently large to cover such emergencies. Stocks of nitrogenous materials have been purchased freely during the past week when available but the individual markets in most instances have not been well stocked and practically all have slanted toward a tighter condition. While steel production has made some recovery, the recent cut in output has been reflected in a smaller ammonia sulphate production.

Russian advices state that the 45 distinct mining sectors laid out in the Kara-Tau area of the Soviet Union are reported to contain, at an accessible depth, an estimated reserve of more than one billion tons of phosphorite ore. The deposit occurs in continuous layers extending throughout the ridge of the lower Kasa Tau.

Nitrogenates

Ammonia Sulphate—Reported in active demand from mixers, the buying movement having been accelerated since the turn of the year on account of the shortage of nitrogen compounds for agricultural use. Lower output is expected this month in view of a falling off in steel production. Stocks at the end of the year were 138,026,979 pounds, compared with 142,520,456 pounds at the end of November, and 56,794,743 pounds at the close of 1943, according to the Bureau of Mines.

Bone Meal—Feeders have continued their purchases at ceiling prices. Occasional sales of steamed meal have been made for fertilizer, but there was no urgent demand at current levels. Offerings were generally limited both here and in the West.

Castor Pomace—Buying interest was reported active with supplies insufficient to meet demand. Producers are behind on deliveries and no easement has been accorded the market's tight position.

Cottonseed Meal—Importations of this material have been fairly free of late. According to trade reports, part of this material is booked for tobacco cultivation in the Connecticut valley.

Dried Blood—Buyers have experienced difficulty in securing supplies owing to the tight position of available material. Feeders have taken offerings readily at ceiling levels.

Hoof Meal—Scarcity of offerings checked trading in this market. Buying orders that reached the market were unfilled at the close.

Soda Nitrate—Shipments for agricultural use have continued to measure up to a satisfactory volume. Production of domestic and imported nitrate have found a market as soon as available and it is reported that farmers have fair supplies in storage for direct application.

Tankage — Production has been taken readily by feeders and the market has been kept in limited supply. The strong supply position has commanded the full recognition of ceiling levels.

Phosphates

Phosphate Rock—Prices will be increased 10c. a ton at the miners' level, for Tennessee phosphate rock under a ruling by OPA. The advanced schedule became effective February 17. The action will make no change in retail prices. This price increase represented the estimated cost of an increase in wages recently granted four companies engaged in mining and processing Tennessee phosphate rock. The order is amendment one to revised MPR 240.

Superphosphate—Demand from mixers continued active and in most instances in excess of the supply available. The shortage of labor has proved the key factor in determining plant output and the manpower situation is anything but favorable at the present time. Baltimore reports the supply scarcity is becoming more pronounced with demand expanding further away from the current rate of production.

Market Trends

Prices Advanced

None

Prices Reduced

None

Comparative Price Indexes

Fertilizer Materials

(100=August 1, 1914)

Last week.	Prev. week.	Last month.	Last year.
71.8	71.8	71.8	71.8

Potashes

Allocations of potash for Period 5 were issued February 6 by WPB. Period 5 extends from April 1 through May 31, 1945. Although this allocation is substantially lower than the allocation for the corresponding period in 1944, the total allocation for the fertilizer year (extending from June 1 through May 31) is approximately 11.3 percent greater than that for the preceding 1943-44 fertilizer year. Potash production for the current fertilizer year is expected to reach an all-time peak of 870,000 tons of potassium oxide, WPB said. This is contrasted to the pre-war production in 1939-40 of 362,000 tons. It was stated that in spite of rapidly expanding production, agricultural requirements are still not completely satisfied. While military requirements of sulfate of potash have been met in full, the supply has not kept pace with increased agricultural requirements. Consequently, there is a much larger unsatisfied demand for sulfate of potash than for other potash salts. The United States is now supplying Canada and South America with practically all of their potash requirements, plus exports to New Zealand and Australia, WPB pointed out.

Sulphur and Pyrites

Maintenance of heavy demand for sulphur was satisfied from a stockpile that is big enough to cover military and industrial requirements without difficulty. While there have been bottlenecks resulting from overworked transportation facilities, such occasions have been of temporary existence. Most consumers carry inventories sufficient to tide over traffic delays. Spanish pyrites sales have been regulated by the amount of material available. There was no price changes to report.

Insecticides

Production and shipments of insecticide materials have been seriously interrupted by traffic congestion, resulting from the recent snowstorm. Bottlenecks have cost considerable output and have emphasized the government's urge to purchase early in order to avoid such emergencies. While it is hoped the supply situation will right itself, the manpower shortage will play an important part in regulating progress in restoring the situation back to normal. Meanwhile, the supply outlook has become more spotty than it was a month ago, while the actual buying movement has not reached seasonal expectations.

A producer of chloropicrin has withdrawn from the market. Sales of this material usually reach their lowest level in February. March occasions the upward swing in buying interest with the high peak in May or June. Supplies in sight are not excessive, but are believed to be sufficient to meet insecticide requirements.

War Food Administration has purchased 76,300 pounds of nicotine sulphate in 10-pound tins at 81c. a pound, f.o.b. Richmond, Virginia.

Department of Agriculture has called attention to the deadly disease of elm trees. This disease is rampant in parts of the Midwest, destroying tens of thousands of shade trees in many cities and attacking native growths in the country. The disease, phloem necrosis, has been known for many years, but has only attracted wide notice in the last two or three years.

Markets at Other Centers

Baltimore, Feb. 16.—Demand for fertilizer material is far above production in some items and the prospects of an adequate supply to produce the largest possible food crops is problematical. Production of fish scrap is over for the season while a fair amount of when-and-if business remains on the books. Superphosphate production is seriously restricted by the shortage of manpower and the market situation is very tight.

Chicago, Feb. 16.—Supplies of organics are still moderate in relation to demand and the general tone of this section of the fertilizer materials market is firm. Buyers apparently are ready and willing to take larger quantities of material when and if available. Blood is subject to continuing substantial interest. Tankage business is quiet but steady. Bone materials are holding their own on good demand. Dried Blood—Principal grade, $5.53 per unit of ammonia. Tankage—Feeding grade, $5.53 per unit; hoof meal, $4.25 to $4.50; liquid stick, tankcars, $2.65 to $2.70.

Los Angeles, Feb. 16.—The fertilizer materials market continued quiet here this week because of lack of supplies. Ammonia sulphate still was the shortest item on the list. The shortage of ammonia nitrate was due partly to the decrease of exports from Canada. Trading in fish meal continued practically at a standstill, reflecting negligible offerings. Stormy weather interfered with fishing and with the central California season drawing to a close, production at some Bay Region plants is expected to fall below 1944-'45 quotas.

Carbon Black Use

—Continued from page 4

ing the percentage of permitted "channel type" carbon black for each product. The limitations went into effect February 15.

Through the reductions prescribed in list 35 of the rubber order, approximately 7,500,000 pounds of carbon black will be conserved monthly, Mr. Clark estimated. Future additions to list 35 are under study, to provide the additional monthly saving of 2,500,000 pounds, which must be achieved immediately, he said. Highlights of the restrictions, as outlined by Mr. Cliark, follow:—

(1) Because of extremely severe service conditions, bogie wheel tires and other rubber-covered wheels for tanks and half-tracks are excepted from restrictions on the use of carbon black. Special combat tires capable of carrying military vehicles many miles even though punctured are also excepted from regulation.

(2) The reduction in the amount of carbon black permitted in heavy-duty truck and bus tires, tubes and tire flaps and in medium size truck tires, will amount to only five percent. However, the reduction in passenger car tires will be 25 percent. Tires for jeeps must be manufactured under the same 25 percent reduction as passenger car tires.

(3) Camelback will have to contain 10 percent less carbon black.

(4) The amount of carbon black permitted in belting, hose, packing and gaskets, as well as in mechanical goods, will be subject to general reductions. In many items the reduction will be great, but for certain items essential to the production and operation of war equipment, the restrictions will be moderate. In general, the reduction for hard rubber products will be 20 percent, though certain items (such as conducive hard rubber products) may consume the same amount of carbon black as is now used.

(5) Waterproof rubber footwear and rubber-sole shoes will have to make out with 11 percent less carbon black than is now permitted.

Sulphur

Commercial Flour
Semi-refined Roll "Cone" Sulphur
Lightnin Brand Dusting Sulphur
Magnolia Brand Conditioned Dusting Sulphur
Blossom Brand Wettable Sulphur
Mohair Brand Wettable Sulphur
Rubbermakers Sulphur (ground to specifications)
Texas Yellow—Refined Flowers of Sulphur
Sulphur Insecticide Mixtures
Sulphur Calcium Arsenate Mixtures
Sulphur Cryolite Mixtures
Sulphur—Pyrethrum & Rotenone Mixtures

Write or wire for quotations

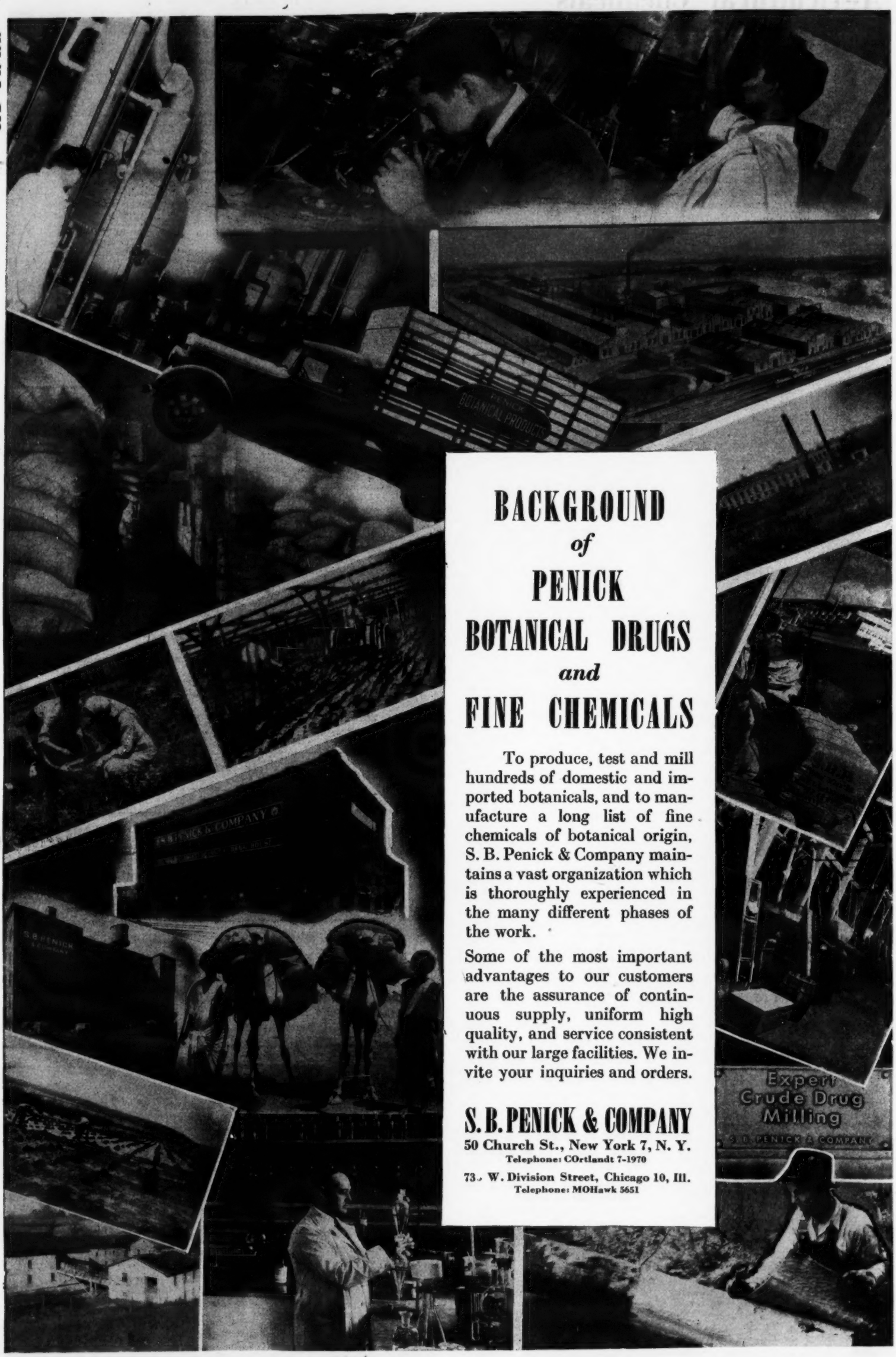
Douglass SULPHUR CO.
P. O. BOX 231 • HOUSTON, TEXAS

Domestic SULPHATE of AMMONIA AND AMMONIA LIQUOR
MADE IN THE U. S. A.
Barrett NITROGEN
THE BARRETT DIVISION
ALLIED CHEMICAL & DYE CORPORATION
40 RECTOR STREET • NEW YORK 6, N. Y.

SELECTED SPENT FULLERS EARTH
Conditioners and Fillers a Specialty for the Fertilizer, Feed and Chemical Manufacturers
THE DICKERSON COMPANY
DREXEL BUILDING - - PHILADELPHIA 6, PA.

Producers of
SULPHUR
Large stocks carried at all times, permitting prompt shipments . . . Uniformly high purity of 99½% or better . . . Free of arsenic, selenium and tellurium.
TEXAS GULF SULPHUR CO. Inc.
75 E. 45th Street New York 17, N.Y.
Mine: Newgulf, Texas

For Current prices see alphabetical listing beginning on page 9.



BACKGROUND *of* PENICK BOTANICAL DRUGS *and* FINE CHEMICALS

To produce, test and mill hundreds of domestic and imported botanicals, and to manufacture a long list of fine chemicals of botanical origin, S. B. Penick & Company maintains a vast organization which is thoroughly experienced in the many different phases of the work.

Some of the most important advantages to our customers are the assurance of continuous supply, uniform high quality, and service consistent with our large facilities. We invite your inquiries and orders.

S. B. PENICK & COMPANY

50 Church St., New York 7, N. Y.
Telephone: COrtlandt 7-1970

73 W. Division Street, Chicago 10, Ill.
Telephone: MOHawk 5651

Botanical Drugs, Spices, Gums

Demand in the market for botanical drugs was reasonably active during the past week. Although individual orders were usually conservative in size, their combined total was probably above that in recent periods and served to maintain firm undertones and prices.

Condimental items underwent numerous price fluctuations, declines being in ascendency over advances. Of course, price changes played second fiddle in market discussions that had for their major topic the petition for higher price ceilings on cumin, dill, fennel, fenugreek, poppy, and sesame seeds, and also on turmeric root. The requested ceilings are sharply above OPA's present limits.

Numerous attempts to secure replacements in the domestic botanical drug primary market resulted mainly in failure last week. Not much material remains in firsthands. Also, the stocks held by botanical drug merchants in this market were certainly not reported to be "long." For that reason, the spot market was rather well free from competition in terms of prices. Competition in terms of dealers ability to make deliveries was rather keen in many items. The whole situation makes for well maintained prices and considerable reserve in making unsolicited offers.

Market Trends

Prices Advanced

Drugs

None

Other Articles

Caraway seed, Calif., Dutch type, 1c. per lb.
Marjoram, Calif., French-type, 2c. per lb.
Paprika, Portuguese, extra fancy, 1c. per lb.
Pepper, chillies, Carolina, sports, 1c. per lb.
Louisiana, longs, 3½c. per lb.
Sage, Cyprus, good, 2½c. per lb.
fair, 1½c. per lb.
Spanish, 7½c. per lb.
Sweet basil, Calif., 2c. per lb.

Prices Reduced

Drugs

Peppermint leaves, dom., 10c. per lb.

Other Articles

Clove, Madagascar, futures, 1c. per lb.
Coriander seed, Argentine, futures, ½c. per lb.
Ginger root, Calicut, 2½c. per lb.
Cochin, bleached, ½c. per lb.
unbleached, ½c. per lb.
Jamaica, No. 1, 2½c. per lb.
No. 2, ¼c. per lb.
Laurel leaves, Turkish, 1c. per lb.
Marjoram, Argentina, 3c. per lb.
Oregano, Mexican, curly leaf, ½c. per lb.
flat leaf, ¾c. per lb.
Poppy seed, Turkish, blue, futures, ¼c. per lb.
Sage, Calif., leucophylla, 10c. per lb.
Thyme, Calif., French-type, 8c. per lb.
Spanish, ¼c. per lb.

Comparative Price Indexes

Botanical Drugs

(100=August 1, 1914)

Last week.	Prev. week.	Last month.	Last year.
244.0	244.0	244.0	261.1

Balsams

Copaiba—Para balsam was not offered in some quarters. In fact, in some directions neither was there any offering of N.F. material. The supply situation seemed to be rather on the tight side.

Fir—Undertones were firm, especially as concerned Canada balsam, which was not offered spot in many directions. Demand was fairly active along conservative lines.

Barks

Angostura—Sellers reported moderate but sufficient supplies of this bark. They also indicated that consumer interest was confined to jobbing quantities.

Black Haw—Narrow supplies must be eked out to keep essential users supplied between now and the availability of new crop bark. Prices were definitely firm.

Cocillana — Seasonal demand has held up well but signs point to the probable decrease in inquiries as the advance of the season forecasts the end of major use of this bark.

Elm—It is expected that considerable energy will be devoted to encouraging a good sized collection this year. It was far below normal in 1944 and hence there is virtually nothing being carried over into the new season by first-hand operators.

Beans

Vanilla—Experience gained during the past week showed that mighty little of the Bourbon material recently added to available supplies remains unsold at present. Most of it had been sold months ago and is now being tendered against contracts that will take up by far the major portion of the beans that increased supplies. The market is likely to hold firm to strong at all points and there is practically no chance of supplies working into an even moderate surplus.

Berries

Cubeb — Allied naval power is knocking at the door of the primary market supplying cubebs but the total absence of spot stocks seems likely to prevail for a virtually indefinite period.

Saw Palmetto—Not much activity locally has been reported for some time. Prices showed firmness last week, reflecting a similar situation among those who supply the item in Florida.

Flowers

Calendula—Very little of this article remains in hands of the growers and not too much was still available locally. In some respects, the market was nominal at $3.25 per pound, the quoted price.

Chamomile—Consumers' needs were promptly cared for and business was placed in a market rather well cleared of any tendency to shade quoted prices. Movement last week was said to have increased in some directions.

Saffron—Holders of Spanish flowers maintained a firm price position regardless of the fact that opportunities for selling were not numerous during the past week. Firmness in selling views reflected the situation in the primary market.

Gums

Aloe—Undertones were steady. Cape gum supplied most of consumer requirements, though reports suggested the presence here of somewhat larger quantities of Curacao gum. Values were well maintained.

Arabic—Nearby markets have experienced a substantial rise in available stocks, reports as to actual quantities added to supplies varying considerably. Locally, the supply was ample in all respects and business was sufficiently active to give considerable support to the price levels recently reached through advances. Those holding bullish price views for the postwar period are still on that side of the fence of market developments to come.

Karaya—The market has absorbed considerable of the quantities recently added to available supplies. Prices were reported on the firm side throughout the past week and there were few signs of unsettling price competition to come.

Locust Bean — Competition was somewhat more active than recently and reports of possible price shading were not lacking in local circles. Quiet demand prevailed last week.

Herbs and Leaves

Henbane—Signs of moderate competition were not lacking but so far as open quotations were concerned, values lacked change.

Laurel—Turkish leaves were lowered to 29c. to 30c. per pound.

Marjoram—Argentine herb was reduced sharply to 23c. to 24c. per pound. California French-type herb was higher at 47c. to 48c. per pound. Chilean material on spot was steadier.

Oregano—Mexican curly leaf was shaded to 8½c. to 9c. per pound; flat leaf, 8¼c. to 8½c.

Sage—California leucophylla was reduced to 45c. to 50c. per pound, f.o.b. Pacific Coast. Good quality Cyprus were higher at 20c. to 20½c.;

For Current prices see alphabetical listing beginning on page 9.

CHECK YOUR NEEDS
OF HOPKINS' ANALYZED HIGH-STANDARD
CRUDE DRUGS

55
Years of Progress
IN
Supplying Foreign and Domestic Botanical Drugs
TO THE
Wholesale and Manufacturing Trade

Our Warehouses in New York City are comfortably filled with Foreign and Domestic Botanical Drugs analyzed and graded in close conformity to our rigid standards. When you want Foreign and Domestic Botanical Drugs, let us know, as you have for so many years.

J. L. HOPKINS & CO.
IMPORTERS, MILLERS AND MANUFACTURERS OF PROFESSIONALLY MILLED, ANALYZED CRUDE DRUGS
220 BROADWAY • NEW YORK
Boston Philadelphia San Francisco Los Angele Memphi

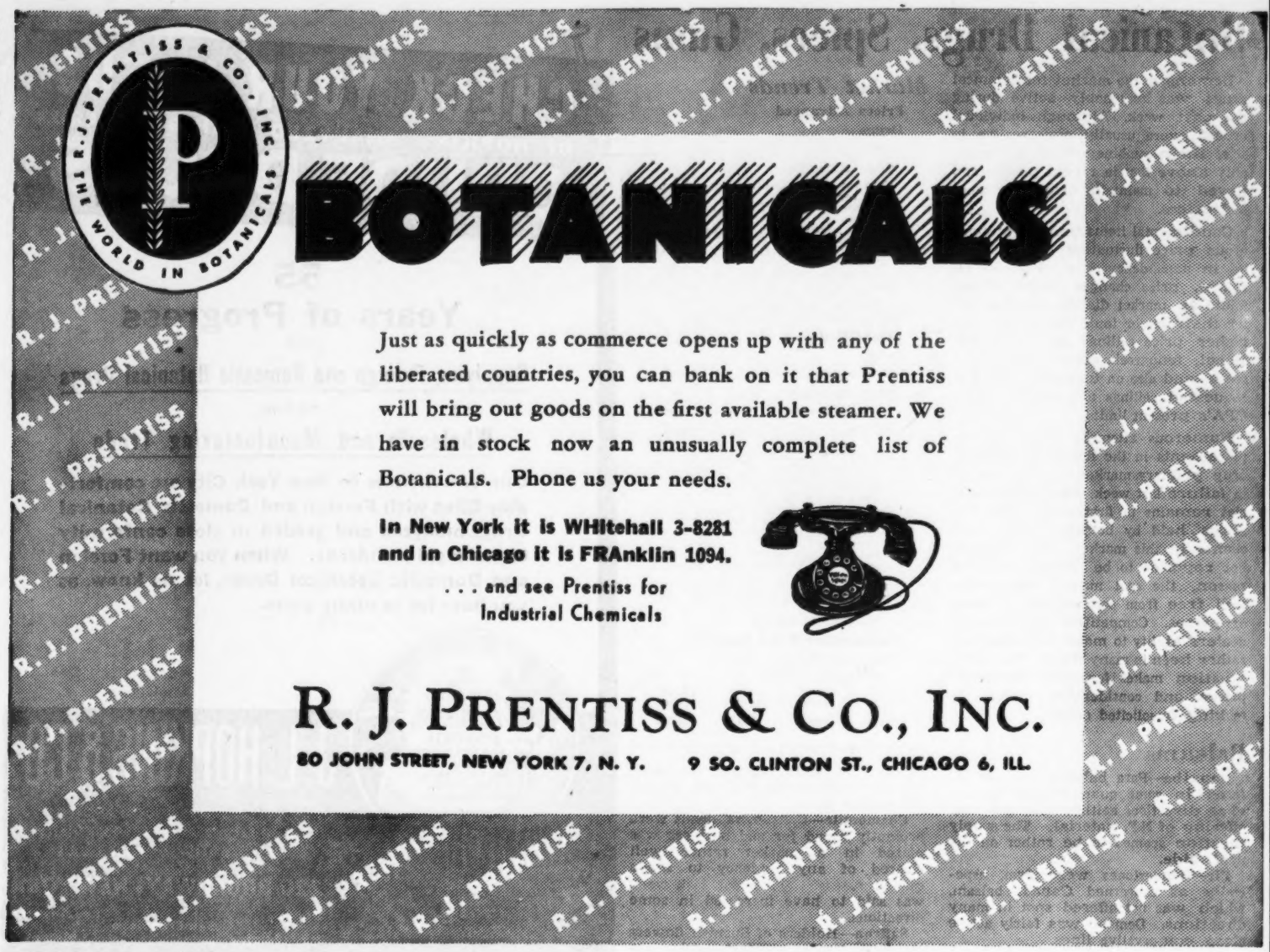
We Offer the Following From Stock

ALOES, Curacao and Cape
ALTHEA ROOT
ANISE SEED
BALSAM COPAIBA
BALSAM PERU
BALSAM TOLU
BELLADONNA Leaves and Root
BOLDO LEAVES
BORAGE FLOWERS
BUCHU LEAVES
CARAWAY SEED
CELERY SEED
CHAMOMILE FLOWERS
CHAULMOOGRA OIL
CLOVES, Zanzibar
COCILLANA BARK
COLOCYNTH PULP
COLOMBO ROOT
CORIANDER OIL AND SEED
DANDELION ROOT
DILL SEED, Indian
ERGOT OF RYE
FENNEL SEED, Indian
FOENUGREEK SEED
GENTIAN ROOT
GINGER, Jamaica, Calicut
GRAINS OF PARADISE
GUM ARABIC AMBER SORTS
GUM KARAYA, Whole and Powder
HELLEBORE ROOT WHITE
HERBA HERNIARIÆ
HERBE MENTHE
HOREHOUND HERB
IRISH MOSS
JUNIPER BERRIES
KAMALA POWDER
LAUREL LEAVES
LAVENDER FLOWERS
LINDEN FLOWERS, with Leaves
MAHUANG, Chinese
MARJORAM LEAVES
OAK MOSS
ORANGE OIL, Sweet
ORRIS ROOT
PEPPERMINT OIL
PIMENTO, Jamaica
POPPY SEED, Indian
PSYLLIUM SEED AND HUSKS
QUINCE SEED
RHUBARB ROOT
ROSEMARY LEAVES
ROSEMARY OIL
SAGE LEAVES
SARSAPARILLA ROOT
SAVORY
SENNA LEAVES AND PODS
STRAMONIUM LEAVES
STROPHANTHUS SEED
THYME LEAVES AND OIL
UVA URSA LEAVES
VALERIAN ROOT

AMINOPHYLLINE
BARBITAL
GUM CAMPHOR, Japanese and Domestic
ICHTHAMMOL, N.F.
VITAMIN PRODUCTS

• Other Imports Arriving Daily. • We Offer a Complete Line of Pharmaceutical Pills, Tablets, Liquids and Ointments.
• All Orders and Inquiries Given Immediate Attention.

KACHURIN DRUG COMPANY
Manufacturers • Importers • Exporters • Distributors
DRUGS - CHEMICALS - OILS - BOTANICALS
525 WEST 43rd STREET, NEW YORK, N. Y.
Telephone: BRyant 9-7400-1-2-3-4-7456
Cable Address: Kachurin, New York
Codes: A. B. C. 5th & 6th Edition and Bentley's


R. J. PRENTISS
THE R. J. PRENTISS & CO., INC. WORLD IN BOTANICALS
BOTANICALS
Just as quickly as commerce opens up with any of the liberated countries, you can bank on it that Prentiss will bring out goods on the first available steamer. We have in stock now an unusually complete list of Botanicals. Phone us your needs.
In New York it is WHitehall 3-8281 and in Chicago it is FRAnklin 1094.
. . . and see Prentiss for Industrial Chemicals
R. J. PRENTISS & CO., INC.
80 JOHN STREET, NEW YORK 7, N. Y. 9 SO. CLINTON ST., CHICAGO 6, ILL.

fair, 16c. to 16½c. Spanish jumped to 25c. to 25½c. per pound.

Sweet Basil—Higher on the Pacific Coast at 98c. to 99c. per pound.

Thyme—Spanish was shaded to 16¾c. to 17¼c. per pound. California French-type was down to 82c. to 84c.

Miscellaneous

Areca Nuts—Powder was stocked sufficiently to meet demand of the limited variety current last week. Prices held steady.

Cantharides—Inquiries for strictly USP flies releaved once more a market devoid of prompt delivery material.

Dragon's Blood—Navy operations have drawn close to the primary market; have hammered it, in fact. Yet it is most unlikely that replacement buying of this article is likely at any foreseeable date.

Grains of Paradise—Firsthands appeared to have moved most of the lower priced material recently made available for prompt delivery. A nominal position was reported last week in such quarters. Dealers, however, hold very fair stocks and offer at 28c. to 30c. per pound.

St. John's Bread—Edible material has firmed considerably since the recent moderate price recessions. Some gain in sales assisted in that development.

Roots

Aletris — Strong undertones prevailed despite the absence of much inquiry or demand last week. Available supplies were short and replacement in firsthand quarters was almost impossible.

Arrow—Sellers are vastly reserved. They pare liberally every open market order presented to them, and restrict the amount of powder they will actually sell, regardless of how large inquiries may be individually. The supply situation is definitely tight.

Goldenseal—Strong in price. Inactive as to demand. Cultivation has been closed in sharply and collection of wild material has been relatively small. The result is a tight supply situation during the main selling season. Many are thinking about what will happen to prices when export shall again be possible in quantities limited only by the ability of foreign buyers to bid.

Seeds

Anise—Cyprus material was nominal. Syrian was down slightly to 18½c. to 19c. No more Bulgarian was available.

Caraway — California Dutch-type was shaded to 78c. to 79c. per pound.

Coriander—Argentine seed in future position was lower at 12c. to 12½c. per pound.

Fennel — Argentine futures were 16½c. to 17c. per pound.

Poppy—Turkish blue seed in February-March position was shaded to 32¾c. to 33¼c. per pound.

Spices

Allspice—Mexican was lower at 16c. to 16½c. per pound.

Clove—February-March Madagascar futures were 15¼c. to 15½c. per

—Continued on page 66

Solon Made Whitehall Pharmacal Western Manager

F. J. Solon, jr., has been appointed general manager of the Western Division of Whitehall Pharmacal Company, a division of American Home Products Corporation. Whitehall, a combination of the Anacin Company, the BiSoDol Company, the Kolynos Company, and the Larned Corporation, was formed in September, 1944. Prior to his new appointment, Mr. Solon was assistant to the vice-president and general manager of the Anacin and Larned units.

Chicago Perfumery Association Names 1945 Committees

Chicago Perfumery, Soap and Extract Association has appointed various committees for 1945. Chairmen of the committees are:—

Membership, George Barr; entertainment, Walter R. Nay; welfare, Norman A. Grimm; finance, M. F. Charley; golf, E. F. Smith and James T. Leavitt; luncheon, A. W. Hempelmann; bowling, John A. A. Scott; legislative, Harry E. Dunning; publicity, G. F. Claypool.

Lambert Pharmacal Company, St. Louis, Mo., has received a third star to be added to its Army-Navy "E" Production Award flag.

PEEK AND VELSOR INCORPORATED 110 WILLIAM ST. NEW YORK 7

Established 1840 CRUDE DRUGS

— But Ancients Had Long Used

"Soporific Sponges"

Modern anesthesia stems from the discovery of the anesthetic properties of nitrous oxide by Sir Humphry Davy in 1800. Next came the famous Michael Faraday and his observance of the same phenomenon in ether in 1818. And anesthesia by chloroform was noted in 1847 by the Scottish physician Sir James Y. Simpson.

But in the 13th century, Arabian physicians revived, under the name "soporific sponge", a technique for anesthesia derived much earlier from Hua T'o, the Chinese Hippocrates, who combined aconite, henbane and stramonium to kill pain by inhalation.

Aconite, henbane and stramonium are botanical drugs highly valued in modern medical practice for their sedative properties. They are prominent in botanical dealers' stocks today.

WAREHOUSE AND MILLS
JERSEY CITY NEW JERSEY

Essential Oils, Other Aromatics

Demand for essential oils and aromatic chemicals was very steady throughout the past week. Excellent business was also reported in substitute, imitation, and replacement products, the total sales of which were well up to previous levels and usually made on the basis of attractive prices. However, competition in the replacement market was particularly keen.

Though still early, some ground work upon which to build the realization of a larger production of domestic oils in 1945 is being laid. One of the obstacles to production of some—one might even say "all"—oils is the existing OPA ceilings. Essential oils made from cultivated crops have to compete for farm space with remunerative foodstuff crops. Then there is the manpower question and shortage of farm hands tends to make farmers utilize their limited labor resources in interest of food production. A larger production of wormwood, wormseed, tansy, pennyroyal, spearmint, dill, and even erigeron, would be welcome this year. Peppermint producers will do well to equal their 1944 production.

Progress toward the goal of getting French Empire products to this country is very slow. Comment was made to the effect that London is alleged already to be consuming products about which the United States has done little but talk. It is understood that some orders have been filed with the United States Commercial Company. The main objective, however, is resumption of private import and that seems as far away as ever.

Essential Oils

Avocado — Jobbing business made the bulk of spot activity last week and the total of such demand was not very large. Some quarters still failed to carry stocks.

Bay—Small-order business was very good, but to such demand was added several transactions involving substantial quantities of merchandise. Trade accomplished was more than sufficient to keep prices and market undertones very firm.

Bergamot — In some respects, the market was close to being nominal. At least, numerous dealers had nothing to offer and some manufacturing consumers have not been able to obtain a delivery at prices which they can afford to pay. Imitations of the material will probably get an increasing play among certain kinds of buyers.

Calamus—There may be some odd lots available here and there, but there is no general supply available among dealers as a whole, and to a substantial degree the market is nominal.

Cananga—Small stocks concentrated in a few hands were strongly held and conditions tended to keep prices ending upward. Prices noted are considerably below ceilings.

Caraway—Some fear that European crops of raw material will be reduced sharply by destruction of farm lands devoted to caraway cultivation. Some doubt exists regarding the outlook for future stocks of oil.

Cardamom—Sellers of raw material maintained recently advanced prices strongly and refused to entertain bids. The cost of producing this oil has risen substantially.

Cedarwood—Demand was routine in total volume and number of orders received. Prices were steady in a market lacking signs of much competion between firsthand suppliers to the local distributing trade.

Clove—In the fiscal year ended June 30, 1944, 362,955 pounds of clove oil were exported from Zanzibar, according to a report of the Clove Growers' Association. No further additions to stocks of imported material were noted. Demand for oil remained excellent and firm prices reflected a high maintenance of production costs.

Dill — A considerable part of 1944 production has been contracted at stable and reasonable prices. Of course, current delivery business was at a minimum but the price position failed to weaken or ease.

Market Trends

Prices Advanced

None

Prices Reduced

Geranium, Bourbon, 50c. per lb.

Comparative Price Indexes

(100=August 1, 1914)

Last week.	Prev. week.	Last month.	Last year.
206.7	208.0	207.3	259.3

Erigeron — The market was slow. Stocks were low. Many had none to sell. Few wanted to buy. Prices were firm.

Eucalyptus — The market tightness continued unrelieved nor were there signs of coming easing of the supply position. In most respects, any spot quotations would be nominal but there were some local goods available at $1 to $1.20 per pound.

Geranium — Bourbon oil was more competitive as the addition to local stocks at a recent date. Quotations ranged $9.50 to $11 per pound according to seller, quantity, and quality. Dealers reserved stocks for regular customers.

Ginger — Outlook for raw material was poor. Arrangements for imports of African root are not expected to get much beyond that stage unless substantial improvement in ship service shall realize the unexpected. Oil was not active last week but its price was very firm.

Lavender — Some dealers have already indicated their desire to buy oil if and when available in France. Desire to buy should be filed on a special form which is sent to the United States Commercial Company, General Commodities Division, Washington 25, D. C. However, what dealers as a whole most desire is the opportunity to do business direct with French shippers — private trade, in other works.

Lemon — The market was short of prompt delivery oil and not the slightest reason to expect anything else until such time as domestic production may be turned more liberally to civilian users and/or foreign oil imported for civilian consumption.

Nutmeg—Scarcity of raw material is acute and the whole situation operates toward the end of keeping normal dealers from holding even small warehouse reserves.

Orange—The market agitation noted in company with advancing prices a few weeks back has subsided some but prices are no less strong now than they were then and the tendency is still upward.

Palmarosa — Stocks were rather narrow and cannot be replaced readily. The result is strong prices in the few quarters when prompt delivery oil may be found. Activity was narrow last week.

Pennyroyal — Numerous quarters have nothing and at the best there are but a few, small lots still unsold. Prices are very close to being nominal. Practically nothing was made last Summer and imports have been nil.

Peppermint—Steady on spot. Activity was confined to smaller quantities; much of large quantity buying in the recent past has gone direct to the primary market.

Rosemary—The market was slightly easier and under competition it appeared to be possible to buy Spanish oil at narrow concessions from usually quoted prices.

Aromatic Chemicals

Cinnamic Alcohol—Firm in price. Stocks moderate and not well distributed. Little competition.

Cinnamic Aldehyde — Numerous former distributors are unable to offer. No surplus noted in any quarter. Demand very good.

Coumarin—Requirements fairly well supplied but distributing dealers fail to report normal stock reserves. Consumption takes output of makers promptly.

Ethyl Acetate—Little acetic ether available and sellers show substantial reserve at the present time. Not much call, either.

Ethyl Vanillin—Offerings absorbed promptly and some quarters said there was far more business in sight than can be filled from current production. Undertones very firm.

For Current prices see alphabetical listing beginning on page 9.

The Fragrance of Genuine, Old-Fashioned Lavender Reproduced in the MM&R Laboratories

IMITATION LAVENDER OIL No. 30 MM&R

A product so lavender-like in character, it has won the broadest acceptance on its rare excellence.

It may be used as a replacement for Oil Lavender Flowers USP except in official preparations.

Also available in officially approved denaturing grade for denaturing alcohol. Testing sample on request.

MAGNUS, MABEE & REYNARD, INC.

16 DESBROSSES STREET, NEW YORK CITY • 221 NORTH LASALLE STREET, CHICAGO

Los Angeles: BRAUN CORPORATION — San Francisco: BRAUN-KNECHT-HEIMANN CO.

Seattle, Portland, Spokane: VAN WATERS & ROGERS — Toronto: RICHARDSON AGENCIES, LTD.

MYSORE GOVERNMENT SANDALWOOD OIL

Distilled at Linden, N. J. from selected Mysore Heartwood by Sole Distillers and Selling Agents

W. J. BUSH & CO.

INCORPORATED

11 East 38th Street, New York 16, N. Y.

ESSENTIAL OILS — NATURAL FLORAL PRODUCTS — AROMATIC CHEMICALS

D. W. HUTCHINSON & CO., Inc.

IMPORT ESSENTIAL OILS EXPORT

162-164 Front Street — Established 1896 — New York 7, N. Y.

CHICAGO DALLAS DENVER NEW ORLEANS SAN FRANCISCO SEATTLE

SUPREME AROMATICS ESSENTIAL—FLAVORING—PERFUME OILS

LOS ANGELES MONTREAL TORONTO VANCOUVER WINNIPEG MEXICO CITY

FLORASYNTH LABORATORIES INC.

ESSENTIAL OILS

P. R. DREYER INC.

119 WEST 19th STREET NEW YORK, N. Y.

AROMATICS

SYNTHETIC MENTHOL

for products where U.S.P. standards are not required

Write for Sample

Exchange *The World's Finest*

OIL OF ORANGE, U. S. P.

SWEET CALIFORNIA COLDPRESSED

This product of the California Fruit Growers' Exchange—one of the world's great cooperatives—offers matchless flavor and uniformity at moderate cost. Made from fruits scientifically cultivated under ideal conditions of climate and soil, and extracted by the most advanced mechanical methods, "Exchange" Brand Oil of Orange, U. S. P. XII is truly today's finest orange oil. Let its extra quality lend improved flavor to your product—*economically*.

FRITZSCHE BROTHERS, Inc.

PORT AUTHORITY COMMERCE BLDG., 76 NINTH AVENUE, NEW YORK, N. Y.

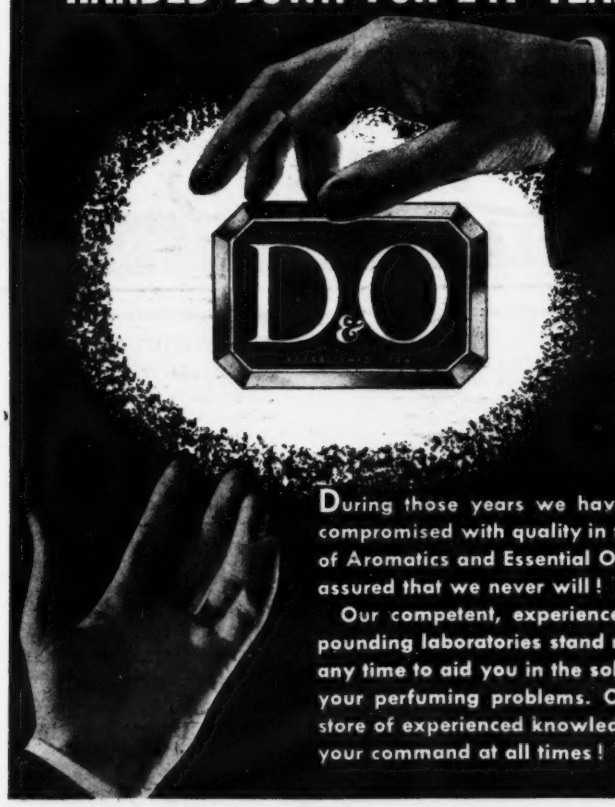
BRANCH STOCKS: BOSTON CHICAGO LOS ANGELES ST. LOUIS TORONTO, CANADA MEXICO, D. F.

FACTORIES AT CLIFTON, N. J. AND SCHILLAIG, (VAR) FRANCE

Perfume Specialties
Aromatic Chemicals
Firmenich + Co.
135 FIFTH AVENUE, NEW YORK, N.Y.
CHICAGO OFFICE · 612 NORTH MICHIGAN AVENUE

PERFUME OILS OF DISTINCTION
VAN AMERINGEN-HAEBLER, INC.
315 FOURTH AVENUE • NEW YORK, N. Y.
AROMATIC CHEMICALS FOR EVERY PURPOSE

NATURAL
ABYSSINIAN CIVET
Highest Quality in Original Horns
Samples and quotations on request
J. C. ANDRESEN
Established 1857
132 Nassau St. New York 7, N. Y.
Phone BEekman 3-4700

HANDED DOWN FOR 147 YEARS!


During those years we have never compromised with quality in the field of Aromatics and Essential Oils. Rest assured that we never will!
Our competent, experienced compounding laboratories stand ready at any time to aid you in the solution of your perfuming problems. Our vast store of experienced knowledge is at your command at all times!
Dodge & Olcott Company
180 VARICK STREET, NEW YORK 14, N. Y.
Plant and Laboratories: Bayonne, N. J.
Boston Philadelphia Chicago St. Louis Los Angeles

Geraniol—In low supply and in good request which most distributors cannot satisfy. Producers' schedules take up production fully.

Heliotropine — Supplies were tight and goods produced or becoming available are usually earmarked for immediate delivery against orders booked well ahead.

Linalool — Very firm on spot with deliveries on a fairly prompt basis but with no real surplus of stocks being reported.

Linalyl Acetate—Business was good. Numerous houses who formerly distributed the item indicate inability to secure normal stocks. Prices were very steady.

Menthol—Business was light and local factors indicated inability to get more than $12.75 per pound on new orders. Buyers were aloof from the market; they seemed determined to hold off until something definite shall be known regarding prices at which Brazil will sell new crop material this year.

Patent Use Curbs

—Continued from page 3

court on the question of the validity of the patent. In this case, he said, the patents have been used to eliminate entirely competition among various groups of licenses by dividing the field along three principal lines:—(1) The product in which vitamin D was to be used; (2) the method by which products were to be activated; and (3) the purposes for which activated products were to be used.

Committee members questioned Mr. Berge closely as to how far the government can go in limiting the monopoly in these patents. They pointed out that, if the Wisconsin Alumni Research Foundation, which controls the patents, had itself engaged in the baking business and decided to activate its cakes but not its bread, there would be no question of its right so to do. Mr. Berge agreed that this was true but contended that the foundation did not have the right to grant a license to someone else to use its patents and direct the licensee as to what products could be activated and what could not be activated.

Methods of Misuse

He listed the following as the principal methods of misuse of patents:—

1. Patents have been used to pre-empt and to divide whole fields of technology, in order to maintain the privileged position of a small group of powerful industrialists.
2. Patents have been used illegally to set up private systems of regimentation in industry in order to stifle new enterprise and to control the development of technology.
3. Monopoly groups have misused patents illegally to suppress new processes and new products.
4. Patents have been used illegally to impose arbitrary and unreasonable price levels upon consumers and businessmen alike.
5. Large aggregations of patents have been used as a club to compel small business to accept the dictation of intrenched monopoly interests.
6. Patents have been used by monopoly groups in this country and abroad to divide world markets and to restrict our capacity and production of materials necessary for the military security and economic welfare of the country.
7. In numerous instances monopoly practices illegally based on patents have resulted in the adulteration of the quality of products.
8. Patents have been among the principal vehicles by which international cartels have sought to conspire to violate the antitrust laws.

Approaching the principle of patent protection from another angle, Representative Leslie C. Arends of Illinois has introduced in the house a resolution (H. Res. 133) for an investigation of the question of effective legal protection for property and proprietary rights and ownership in original thoughts, conceptions, and ideas in art, literature, science, mechanics, and the pure and useful arts. The resolution has been referred to the house rules committee for consideration.

Folding Boxes Pulp Quota Discussed

OPD Washington Bureau

Allocation of pulp for the production of boxboard, which goes into the manufacture of folding and set-up boxes, for the second quarter of 1945 will not be more and probably will be less than was allocated for the first quarter of 1945, War Production Board pulp officials have announced. The actual figure has not been determined, but the anticipated over-all pulp shortages are estimated at about 100,000 tons, chiefly in white pulp and unbleached kraft, it was reported to a joint session of the WPB Boxboard, Folding and Set-up Box Industry Ad-

Craig Returns to PAW

OPD Washington Bureau

Lucien F. Craig has been named assistant director of the Division of Supply and Transportation of the Petroleum Administration for War. Mr. Craig returns to the same position he held in PAW from March 1943 through February 1944, when he resigned to return to the Gulf Oil Corporation, as assistant general manager of fuel sales.

Export Service Bureau Opened by du Pont

Establishment of an export service bureau in New York, with a receptionist speaking both Spanish and French to welcome visitors from abroad, has been announced by the foreign relations department of E. I. duPont de Nemours & Co., Wilmington, Del. The receptionist appointed is Miss Maria Llaverias, who has been with the duPont company four years, having been employed in the organic chemicals department, the Grasselli chemicals department, and the cellophane division of the rayon department. The office will be on the eleventh floor of the Empire State building.

Daniel H. Sterling, for fifteen years associated with Elizabeth Arden Sales Corporation, has been appointed assistant sales manager of Richard Hudnut.

PERFUMERS' SPECIALTIES
BUSH AROMATICS INC.
136 LIBERTY STREET NEW YORK 6, N. Y.

NEW LOW-PRICED AROMATIC
For Soap Products
Savonella—the new citronella substitute—combines odor freshness with effective strength. As little as 1% gives a very definite, pleasing and refreshing odor to soap chips, soap powders, mechanic's hand soaps, cleansers and other soap products. Now available in large quantities. Write for samples today.
AROMATIC PRODUCTS, INC.
15 EAST 30th STREET • NEW YORK 16, N. Y.
"Odor Problems Disappear When Aromatic Specialists Are Near"
SAVONELLA
NEW CITRONELLA SUBSTITUTE

Petroleum Derivatives

Although there has been some improvement in the movement of crude petroleum and gasoline from the oilfields and refineries in the Southwest into the East and Midwest regions by pipelines, inland-waterways and even by rail within the past week, there has been no relief from the tension in kerosene and home-heating fuel oil in New England and other points along the Atlantic seaboard, nor has there been any betterment in the civilian consumers' squeeze in petroleum solvents, diluents, liquefied gases or paraffin, all of which derivatives of petroleum are being absorbed in such gigantic quantities by the war's seemingly insatiable requirements as to leave little available for nonmilitary usage in any of these or any of the other petroleum chemicals.

With the consumption of kerosene and fuel oil reaching unprecedented proportions during the recent intensely cold and stormy weather on the East Coast, the Petroleum Administration for War has taken steps toward stretching the diminishing kerosene supplies by telegraphing instructions to fuel oil suppliers to restrict deliveries in New England, the eastern portion of New York State and the northern portion of New Jersey. All these suppliers have also been notified to refrain from using kerosene for upgrading No. 2 fuel oil, from delivering kerosene for use in central heating plants of any private dwelling, from making deliveries of kerosene to any private dwelling with as much as 25 gallons on hand and from delivering in any instance more than 25 gallons. They have also been prohibited from delivering home heating fuel oil to any dwelling where more than 100 gallons is on hand and are enjoined to limit all such deliveries to 200 gallons. Meanwhile, despite these precautions, nationwide supplies of fuel oil have continued to diminish.

Solvents and Diluents

Aromatic Solvents—There has been no abatement in the demand for both class A and class B types of these high solvency aromatic naphthas or for their blends. Processors are now fairly confident that they will obtain an adequate supply of xylol to serve as a base for their manufacturing operations on a satisfactory scale throughout the remainder of this month, although they frankly admit that they are uncertain as to whether they will be able to obtain an adequate allowance for March.

Cleaners' Naphtha—Buying interest continues keen on both military and civilian accounts, with the former obtaining the bulk of the offerings.

Lacquer Diluent — Moving steadily into the paint and varnish enterprises with prices firmly held throughout.

Mineral Spirit — Continues in brisk call. Market holding strong.

Rubber Solvent — Manufacturers of synthetic rubber continue taking the lion's share of all this material available. Tone firm.

Stoddard Solvent—Dry-cleaning interests are still buying extensively, with those engaged in military work obtaining the major part of all offerings, albeit civilian accounts are also absorbing a fair amount.

V. M. & P. Naphtha—Still moving in sizable quantities into the paint and varnish trade with the bulk going to military production accounts.

Markets at Other Centers

Chicago, Feb. 16.—Current reports indicating better control of the illicit naphtha-for-gasoline substitution in the black market are cheering some suppliers of petroleum solvents and thinners in this area. The regular trade demand is already sufficiently large to give suppliers concern in endeavoring to meet it.

Los Angeles, Feb. 16. — With demand well ahead of production, particularly in solvents and paint thinners, market conditions in these materials are generally steady on the Pacific Coast. Cleaners' naphtha and lacquer diluents continue in heavy demand, with the needs of old customers being generally met, however.

Market Trends

Prices Advanced

None

Prices Reduced

None

Lighter Fractions

Butane—With the movement of this liquefied gas still held back by lack of highpressure-resistant tankcars and freight congestion on many of the rail lines in the Midwest region resulting from the recent heavy storms, manufacturers of high-octane gasoline and synthetic rubber nonetheless are obtaining such relatively large quantities of this gas as to all but exclude those homeowners in the South and Southwest using it for cooking and heating, and also cutting out virtually all private industrial users.

Heptane — Continuing in good demand, with prices firmly maintained.

Hexane—Moving on a steadily increasing scale. Market strong.

Octanes—Both military and civilian interests are still making sizable purchases of this gas. Tone steady.

Pentanes—Major part of all offerings of this gas continues going to war production interests but civilian consumers are also obtaining a modicum.

Propane — More of this gas is now available for home cooking and heating, as the takings of those engaged in making high-octane gasoline and synthetic rubber are not as extensive in this as in butane. But supply is still small.

PAW has announced that the increasing demands for propane as fuel in the war plants, especially those making high-octane gasoline and synthetic rubber, and serious shortages of all types of transportation facilities, especially the high pressure-resistant tankcars and tankwagons, have made it necessary for that governmental agency to take three steps to refuse approval of applications for new installations of equipment using propane and also of applications for the installation of equipment used to connect propane-consuming appliances with existing liquefied petroleum gas systems. Hereafter, PAW insists, liquefied petroleum gas dealers must apply to it for authorization to install or reinstall any type of used L-P gas equipment for purposes other than maintenance and repair. Applications of this type should be submitted to PAW on form WPB-809.

Petrolatums and Waxes

Microcrystalline Waxes — A fairly active movement of these waxes, under the leadership of the standard process types, continues to be noted. Leading manufacturers are still holding their prices firmly.

Paraffin—A further drain upon supplies of both crude and refined types of this petroleum wax from military and lend-lease accounts is lowering stocks available to civilian users to very meager proportions. Prices continue very strongly maintained.

Petrolatums—Suppliers continue to report that, with the demand continuing high, they could do much more business if they had more liberal supplies of both U.S.P. and technical types. Market strong.

White Mineral Oils — A steadily mounting volume of both U.S.P. and technical grades is moving into consuming channels at the recently lowered price schedules.

Fuels and Lubricants

Crude Petroleum — The domestic production rate has shown a further rise for the week ended February 10, during which it reached an average 4,728,800 barrels daily, or 5,400 barrels more than the daily rate for the previous week. Runs to refineries during that same week averaged 4,770,000 barrels, showing an increase of 108,000 barrels from the preceding week's average runs and well above those of 4,276,000 barrels registered in the corresponding week of last year.

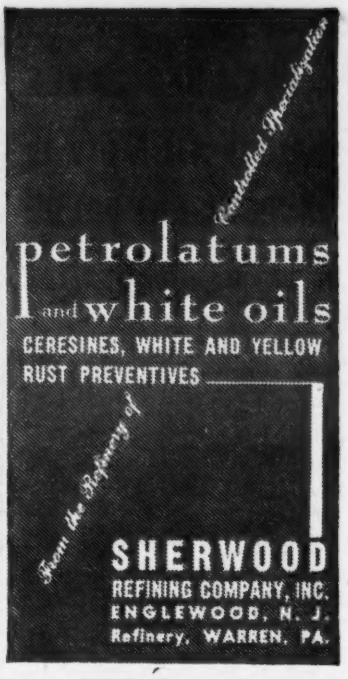
PAW takes great pleasure in announcing, however, that a record tanker movement of 570,910 barrels of petroleum and petroleum products into East coast ports during the week ended February 3 kept many cities and towns on the North Atlantic seaboard from running completely dry of kerosene, fuel oil and other derivatives when transportation facilities in this direction were crippled.

Fuel Oil—A further heavy drop in nationwide supplies of fuel oil has been reported by the American Petroleum Institute for the week ended February 10, for which period a decline of 1,826,000 barrels to 30,544,000 barrels has been recorded in household fuel oil stores, while industrial fuel oil stocks have registered a reduction of 1,606,000 barrels to 48,845,000 barrels.

Production of this heavy fuel oil for the same week is reported to have reached 9,237,000 barrels, compared with 9,377,000 barrels for the previous week, while the output of light fuel oil has amounted to 4,565,000 barrels, contrasted with 4,559,000 barrels for the previous week and 4,121,000 barrels for the corresponding week of last year.

The Federal Power Commission has reported that the consumption of fuel oil in the production of electric energy during last December amounted to 1,991,832 barrels, or 9.1 percent more than was recorded for last November, when it totaled 1,825,248 barrels.

For Current prices see alphabetical listing beginning on page 9.



ULTRA-PENN

Specialists in quality

PETROLATUMS—WHITE OILS

for every purpose

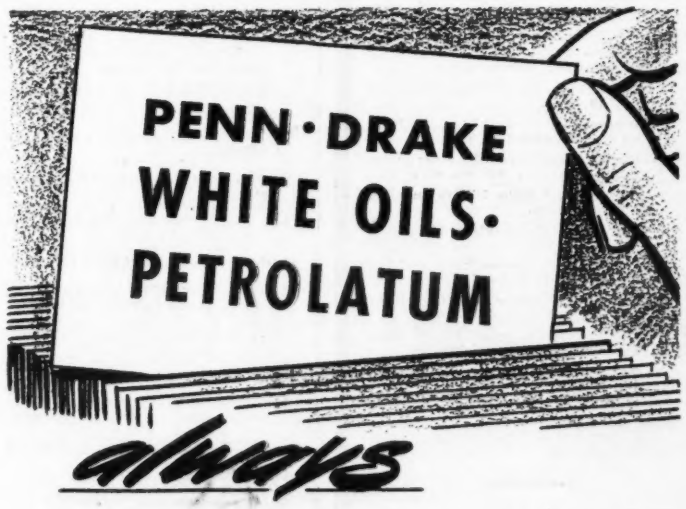
ULTRA PENN REFINING CO. • Butler, Pa.

LOW POUR POINT

WHITE OILS

All Grades, PARAFFIN AND MICRO-CRYSTALLINE WAX-PETROLATUMS

OIL STATES PETROLEUM CO., INC., Woolworth Building, New York 7, N.Y. Plant, Bayonne, N. J.



A DEPENDABLE CHOICE

If you have used PENN-DRAKE White Oils and Petrolatum, you *know* that you can always depend upon the uniformity, purity and high quality of these products.

And if you have *not* tried PENN-DRAKE, you have a pleasant experience awaiting you.

penn drake petroleum products

PENNSYLVANIA REFINING COMPANY

GENERAL OFFICES · BUTLER, PA.

Makers White Oils (*U.S.P. and Technical*); Petrolatums (*all grades and colors*); INSECTI-SOL (*deodorized insecticide base*); Deodorized and other Naphthas; Petroleum Sulphonates; Waxes; Industrial and Motor Lubricants and Greases; Fuel Oils, and other petroleum products.

FMC DESIRABLE EQUIPMENT with INVESTMENT VALUE

FMC

1—Stokes Rotary DDS Tablet Press up to 1¼"x2"; 350 per min.

1—Aluminum 250 Gal. Jacketed Vacuum Pan.

6—Copper Jacketed Vac. Pans 100-850 gal.

1—Glass Lined 3000 Gal. Vacuum Pan or Still.

35—Steam Jacketed Kettles up to 1500 gal. in Copper, Iron, Steel, Alum., etc., some with agit.

6—Glass Lined 300 gal. Dome Top Pressure Tanks.

1—Devine Vac. Impregnator; Tanks (2) 42"x5'.

2—Jacketed Glass Lined Tanks; 750 gal.

7—Horizontal Steel Tanks; 2000 gal. 4'x20'.

5—Vertical Copper Tanks; 1000 gal. 4'x9'.

1—J. H. Day Water Jacketed 1½ BBL. Marshmallow Beater.

1—Stokes Mass Mixer, heavy duty; 30"x40"x66"; tilting.

1—W. & P. 20 gal. Jktd. Double Arm Mixer; tilting.

1—W. & P. 250 gal. Double Arm Mixer; tilting.

5—J. H. Day Pony Mixers from 8 gal. to 40 gal.

2—Post Mixers, single or double station; belt drive.

3—Ross 12"x30" three roller Roll Mills; water cooled.

1—Heavy Duty Jacketed Ball Mill; 6'x13' with drive.

2—Abbe Porcelain Lined Pebble Mills; 40"x48" and 42"x50".

1—Steel Ball Mill with charge of balls; 44"x92".

1—Silex Lined Pebble Mill; 1500 gal.; 7'x6'.

1—Mikro No. 4 Pulverizer 24"; with 75 H.P. Motor.

1—Jeffery Hammer Mill; 24"x20"; 5 ton per hour.

1—Williams Hammer Mill; 24"x18"; 4 ton per hour.

2—Devine Rotary Vac. Dryers; 3'x25' and 5'x30'.

1—Buffalo Dryer No. 7; Vac. Drum type; 24"x20".

1—Buflovak Drum Dryer; Bronze chrome plated Drum 48"x40".

6—Oliver Vert. Pressure Filters; monel screens; 100 sq. ft.

6—Filter Presses, Cast Iron, Wood, Alum. 7½" to 42" plates.

2—Ertel and Seitz 12" Disc Filters (8) with pump and motor.

5—Powder Fillers; auger type and free flowing volumetric.

1—Filler Mach. Co. 4 Piston Filler for No. 10 cans.

1—Progressive two Piston Fillers; up to one pound or so.

1—Karl Kiefer Visco Filler for jams, jellies, butters, grease, etc.

2—Colton No. 4 Tube Fillers and No. 2 Clip closers.

1—Colton No. 2 Complete Pill Making Installation.

1—Colton No. 1 Suppository making machine; arr. for belt dr.

1—Revolving Copper Coating Pan; 28" dia. arr. belt drive.

1—FMC Stainless Steel Hand Pack Filler with Reeves drive.

5—Miller Cellophane or wax paper Wrappers; adjustable.

There are 4000 Other Units Listed as Now Available. Send us Your Inquiry. We can find that RARE machine for you.

FMC Supplies the following NEW EQUIPMENT:

Stainless Kettles, Tanks, Vac. Pans.; Rotary and Centrifugal Pumps, all metals; Dry Batch Mixers, all steel, all sizes; FMC rugged Hammer Mills; Tumbling Type Mixers; Belt Conveyor and Skate Conv. Syphon and Vacuum Fillers; Rotary Cutters; Packers; Jar Mills, Colloid Mills, Portable Agitators, etc.

FIRST MACHINERY CORP.

EAST 9th STREET AND EAST RIVER DRIVE
NEW YORK 9, N. Y. GR. 7-4300

Business Wants and Offers

RATES PER INSERTION—PAYABLE IN ADVANCE

Help Wanted and Positions Sought—Minimum $2.00, thirty-six words or less; 35c for each additional six words.

All Other Classified Advertisements—$5.00 thirty-six words or less; 85c for each additional six words or fraction.

AGENTS WANTED

Reliable agents for chemicals wanted. Important New York house is looking for representatives in Brazil, Chile, Colombia, Ecuador, Peru. Industrial and fine chemicals, pharmaceuticals, vitamins, food colors, anilin dyes, fat and essential oils, paints, varnishes, etc. Write by airmail indicating any previous experience in these lines. OPD 711.

EQUIPMENT WANTED

Wanted—One to two tons of imported Belgian pebbles for use in a pebble mill. Reliance Varnish Co., Inc., 915 East Kentucky street, Louisville 4, Ky.

Automatic Paste filler with closer and clip fastener for tubes; also one for handling cans; heavy duty mixing kettle with agitators 800 gallon capacity; Eppenbach homomixer. OPD 708.

EQUIPMENT WANTED

Wanted, S. Burkhard 38-inch copper coating pans must be in A1 condition. OPD 707.

MANUFACTURING WANTED

Brazilian industrial firm, giving best references, desires to contact an American company to produce in Brazil, articles of great demand based on the American process by means of royalty or any other kind of remuneration to be agreed on. OPD 704.

MATERIALS OFFERED

Painters Caps, paperhanger aprons and all other forms of cloth advertising specialties; samples and information on request. Minnesota Specialty Co., 119 N. Fourth street, Minneapolis, Minn.

For Sale—Crude Naphthalene. OPD 713.

MATERIALS OFFERED

Strontium Salts—While currently producing strontium chloride, carbonate, oxide and peroxide for war purposes, we invite suggestions on new uses for any strontium salt or compound. Inorganics Incorporated; Plant: Knoxville, Tenn. Sales director: John G. Harrison, 9 Rockefeller Plaza, Suite 1201, New York 20, N. Y. Phone CIrcle 6-3525.

Approx. 25,000 pounds, Antimony Sulphide HA (Harshaw Chemical). Approx. 32,000 pounds Zinc Borate No. 3167 (N. J. Zinc). Approx. 120,000 pounds Mineral Black No. 133 (Reichard-Coulston). Approx. 70,000 pounds Mineral Black No. 897 (Reichard-Coulston). Approx. 70,000 pounds Red Oxide No. 1087 (Reichard-Coulston). For Sale f.o.b. warehouse, Los Angeles. OPD 703.

"Consolidated" MACHINERY AND EQUIPMENT

SERVING AMERICAN INDUSTRY FOR OVER A QUARTER-CENTURY

DO-Buy and hold your War Bonds
DON'T-hold onto your IDLE MACHINERY

Special Items from Stock

2—32" x 72" BUFLOVAK ATMOSPHERIC DOUBLE DRUM DRYERS, m. d.

2—70" x 30' RUGGLES COLES DIRECT HEAT ROTARY DRYERS, Type A-9.

1—5' x 12' Vacuum DRUM DRYER, Buffalo Foundry complete with accessories.

10—ROTARY VACUUM DRYERS; 3—Buffalo 5'x20'; 3—Devine 4'x25'; 1—Devine 4'x30'; 1—Struthers Wells 30" x 12'.

2—ATMOSPHERIC DRUM DRYERS 4' x 12'.

1—Stokes 5' x 13'6" ATMOS. DRUM DRYER.

2—Buflovak 6' dia. Jack. Vacuum CRYSTALLIZERS or VACUUM PAN DRYERS.

9—Direct heat ROTARY DRYERS 4' x 30', 5' x 30', 70" x 30', 6 x 60'.

1—7'6" x 75' Indirect Heat ROTARY DRYER.

8—PEBBLE MILLS, 1—4' x 4' Burrstone Lined; 1—32" x 42" Rubber Lined; 4—30 gal. porcelain lined. Other Sizes.

2—CRUSHING ROLLS, 40 x 16" Colorado Iron Works.

6—DRY POWDER MIXERS various sizes. To 3000 lbs.

2—W. & P. MIXERS, sizes 21-X-BB jacketed 625 gal.

6—RAYMOND PULVERIZERS; 4-Roll Low Side; No. 3, No. 1, No. 0000.

1—4'x6' OLIVER CONTINUOUS FILTER; 2—8'x8'

8—HEAT EXCHANGERS, 50 to 1600 sq. ft. heating surfaces; 5 copper, 2 steel tubes.

1—Day No. 30 Imperial Jack. MIXER, 75 gal.

8—RUBBER LINED Rectangular TANKS; 7—500-gal.; 1—150 gal.

23—CENTRIFUGAL EXTRACTORS, 12" to 72" bronze and steel baskets, belt and motor drives.

1—PNEUM. SCALE CARTON PACKAGING UNIT

1—Pneumatic Scale Co. Auto. tight WRAPPER.

2—Batteries of two each TYLER HUMMER SCREENS 4'x5', single deck, other sizes.

1—36' dia. Cast Iron COLUMN, 73" high.

1—Buffalo 48 x 40" VACUUM DRUM DRYER, with bronze chromium plated drum, Vacuum pump, Barometric condenser, Vacuum receiver etc.

All items motor driven, still set up in operating condition.

LIQUIDATION MACHINERY AND EQUIPMENT OF FORMER CENTRAL SUGAR CO., Decatur, Indiana

1—Battery of 5—40" STEEL BASKET, WESTERN STATES, 1600 RPM, belt driven CENTRIFUGALS, ball bearing, water-cooled heads; mixer with Stevens mingler coil; syrup troughs, all supporting framework, unloaders.

8—8x10 Wood Stave OLIVER FILTERS.

1—19,000 sq. ft. QUADRUPLE EFFECT, horizontal, brass tube EVAPORATOR, with all piping, pumps, etc.

7—JUICE HEATERS, 500 to 750 sq. ft. H. S.

Miscellaneous: Pumps, Packaging Machinery, Coil and Calandria Pans

***Send for Printed Circular* — Arrange to Inspect**

1—Devine duplex VACUUM PUMP 16 x 16 x 12.

3—STOKES steam heated WATER STILLS, 5, 10, 100 gal. per hour.

9—Hardinge BALL MILLS, 4'6" x 16", 5' x 22", 6' x 36"; also 6' x 12' Rod Mill.

2—8' x 30" Hardinge Conical Silex Lined PEBBLE MILLS, also 6' x 36".

53,000 lbs. 2—4" mixed STEEL GRINDING BALLS.

1—500 gal. 5' x 6' BALL MILL.

5—ROTARY KILNS, 6' x 60', 8' x 125', 8'x135'.

1—BELT CONVEYOR, 16" x 65'.

3—Dracco Perfecto Type AAA DUST COLLECTORS

1—Abbe Blutergess No. 2 SIFTER; 1—No. OS, m.d.

2—Gen. Ceramic 40" dia. x 15' high ABSORPTION TOWERS.

10—Dopp C. I. jacketed KETTLES, 25 Gal. to 100 gal; 30—steel, cast iron, jack. up to 2000 gals.

3—ROLLER MILLS, 6'6" x 14", 12 x 30, 16 x 40 water cooled

3—Beach-Russ No. 10 ROTARY VACUUM PUMPS, with V-belt Drive m. d.

1—Pneumatic Scale straight line BOTTLE CLEANER

4—150 gal. aluminum TANKS, cone bottom.

1—Stokes No. 21 GRANULATING MIXER, 50 lb. belt driven.

2—4-Roll RAYMOND HIGH SIDE MILLS, equipped for vacuum air separation—one with latest "whizzer" separator, with double cone vacuum separator. Each including exhauster, cyclone collector and inter-connecting piping.

1—Komarek-Greaves BRIQUETTE PRESS, with 2—32" x 24" face, rolls for pillow and egg-shaped briquettes, rated 25 tons per hour.

2—Colton TUBE or JAR FILLERS, 1-No. 0, 1-No. 7.

2—Jones Automatic CARTONERS.

2—Anderson PACKAGING UNITS

1—Sperry Iron FILTER PRESS, 36" x 36", 38 chambers; 1—Shriver 24" x 24", 40 chambers.

1—Burt straight line auto duplex LABELER, md.

3—50 gal. copper steam jacketed VACUUM PANS, complete; other sizes to 750 gal.

3—Pfaudler GLASS LINED TANKS, to 1500 gal. cap.

3—40 gal. DAY PONY MIXERS.

1—Size "B" Erie City COAL PULVERIZER with 40 P 3/60/220-440 V. Motor. Rated 2000 lbs. per hour.

2—18 x 18" Jeffery Single ROLL CRUSHERS.

9—COPPER & ALUMINUM steam jack. KETTLES up to 500 gal, some with agitator.

1—U. S. Bottlers C-8, 8 spout gravity LIQUID FILLER.

1—450 gal. GLASS LINED jack. agit. KETTLE; 2—150 gal. jack. agit; 2—200 gal. jack.

1—350 gal. NICKEL LINED jack. KETTLE, C. I. shell.

1—5' x 13' PEBBLE or TUBE MILL, with open trunions.

1—Riehle friction grease TESTING MACHINE, cap. 10,000 P. S. I.

2—auger & F. J. STOKES DRY POWDER FILLERS.

1—WORLD High Speed straight away LABELER, m.d.

2—500 gal. all COPPER, steam jack. agit. KETTLES.

WANTED—YOUR IDLE MACHINES
There's still a War to be Won. Help production! Send your list NOW.

THE KEY TO SAVING TIME AND MONEY
FOR OVER A QUARTER-CENTURY A SYMBOL OF CONFIDENCE
CONSOLIDATED PRODUCTS COMPANY, INC.

WE BUY FROM SINGLE ITEMS TO COMPLETE PLANTS "Every Machine in Your Plant is a Used Machine"

13-18 PARK ROW, NEW YORK 7, N. Y. — TEL. BArclay 7-0600
Shops: 335 Doremus Ave., Newark, N. J. Cable Address: Equipment, N.Y.

MATERIALS OFFERED

Ceranova Wax approx. 4½ tons. Will dispose of at 40c. per pound. Write OPD 712.

MATERIALS WANTED

Will purchase your surplus stock of chemicals, drugs, oils, waxes, dyes, solvents. Are you overstocked due to formula change or government cancellations? Write fully. Will make immediate offer. OPD 680.

Do not wait until conditions further limit prospects of disposing of top-heavy inventories. Will purchase surplus unshipped commodities all kinds. Particularly interested gums, waxes, spices, botanicals, oils, greases, pharmaceuticals, chemicals. OPD 679.

POSITIONS VACANT

Well established American export firm needs reliable experienced chemical head, capable organizing export business; must have thorough knowledge of Spanish and sufficient contacts here and abroad to obtain quick results and establish permanent business. Full particulars first letter—all information strictly confidential. OPD 716.

Wanted—Experienced production and development chemist; expanding coated fabrics plant; most unusual opportunity; 35 miles from New York. Qualified in oil, resin, pyroxylin, vinyl applications on cottons and rayons; dip, knife and roller coating techniques. Give full particulars, education, experience, present and desired salary. Interviews arranged on qualifications. OPD 677.

POSITIONS VACANT

Experienced Production man in insecticides, disinfectants, waxes, janitor supplies, etc., both package and bulk. Good salary. Located in the South. Give complete details in letter to OPD 684.

Tablet man to take charge and do actual work in 5-million-a-week brand-new tablet and coating department. In 18 years it has never been necessary for any of our employees to ask for a raise. Medical Products Company, 9145 S. Leavitt street, Chicago 20, Ill.

Experienced organic chemist wanted as plant manager by progressive concern. State experience and background. OPD 695.

POSITIONS VACANT

Chemist—Under 40, with production experience in toilet goods and proprietary medicines, by progressive Memphis company with post-war expansion program; $3,000 to $4,000 year starting salary, depending on capabilities, with excellent opportunity for advancement. Give summary of education, past experience and earnings, family and draft status. If possible enclose recent photograph. If interested will arrange interview our expense. Write Personnel Manager, Post Office Box 2563, Memphis, Tennessee.

Wanted—Head chemist for midwest manufacturer of industrial finishes. Must have knowledge and experience in paint, varnish, lacquer and wood finishing materials. Opportunity for man with personality to get along with associates under his supervision. Submit experience, present connection, draft status, etc. OPD 686.

—Continued on page 66

FOR SALE

3—No. 600 De Laval Clarifiers.
2—4 x 6' Atmospheric Drum Dryers.
1—5 x 4' Oliver Filter, wood drum.
2—(New) 24 x 48" Vibrating Screens.
4—Colloid Mills; 1 and 40 hp.
1—24" Mikro Pulverizer belt drive.
4—Lead Lined Tanks, 400-1000 gallons.
1—Buflovac 10 gal. jack. Autoclave.
6—(New) 36" Stoneware Vacuum Filters.
2—Lard Rolls: 4 x 9' single, 2 x 5' double.
1—40" Tolhurst copper basket Centrifugal.
2—(New) Triangle Filling Lines.
1—3-stage 75 hp. Centrifugal Pump.
4—Water Stills: 10, 25, 100 and 175 G. P. H.
8—3-roll Mills: 16x40, 12 x 30, 9x24.

What equipment have you for sale?

LOEB EQUIPMENT SUPPLY CO.
909 N. Marshfield Ave., Chicago 22, Ill.

FOR SALE

3—12 in. x 30 in. Roller Mills
2—16 in. x 40 in. three steel roller mills
PONY MIXERS from 2½ gallons to 40 gallons
5—Change Can Mixers
1—210 gallon Buhr Stone lined Pebble Mill.
2—Practically new 750 gallon Porcelain lined Pebble Mills.
3—32 in. x 36 in. PEBBLE MILLS.
10—1000 gallon steel square storage tanks
10—2000 gallon steel square storage tanks
5—9 in. x 24 in. motor driven roller mills

Specializing in Rebuilt Machinery

IRVING BARCAN COMPANY
50 CHURCH ST., NEW YORK 7, N.Y.

CHOICE EQUIPMENT

1—Bird 48" Stainless Steel Extractor.
1—Copper Ag. & Jack. Vac. Pan 500 Gals.
1—Copper Ag. & Jack Kettle 500 Gals.
1—Closed Copper Jack Kettle 1000 Gals.
3—Copper Jack. Kettles 250 Gals.
1—Pf. Jack. Closed G.L. Kettle 500 Gals.
2—Buffalo Jack. Crystalizers 6'-0".
1—Oliver 8'x8' Rotary Filter.
1—Buffalo 24"x20" Vac. Drum Dryer.
1—Devine 48"x40" Vac. Double Drum Dryer.
1—Steiner-Ives Electric Dryer 50 Cu. Ft.
1—Cast Steel Autoclave 3'-6"x5' Direct fired with agitator.
1—Colton No. 3 Rotary Tablet Machine 1".
1—Sperry 42" Washing type Filter Press.
2—Shriver 24" Washing type Filter Presses.
2—Shriver & Ind. 7" & 12" Filter Presses.
1—W & P JACK. MIXER 20 Gals. 10 HP Motor.
1—Day No. 6 Cin. Mixer—100 Gals. Wkg. Cap.
4—Alsop Alum. & S.S. Disc Filters.

Send us your inquiries or lists of surplus. Ask for Bulletin "X."

MACHINERY & EQUIPMENT CORPORATION (of N.Y.)
533 West Broadway New York 12, N.Y.
GRamercy 5-6680

READY TO GO!!

3—Sharples Centrifugals with 2 HP Louis Allis and 3 HP GE Motors.
1—Rotex No. 42 Sifter 40x84", 3 separations.
1—Day Lightening Packer.
1—Jeffrey No. 4 Barrel Vibrator.
10—Copper & Aluminum Kettles from 50 to 100 gal.
1—Day Hercules Crusher.
5—Vacuum gravity and siphon fillers.
1—Shriver Lead Press, Diaphragm pump and motor.

Chemical & Process Machinery Corp.
146-8 Grand Street New York 13, N.Y.
Tel: WOrth 4-8130
WANTED—Your surplus equipment!

SPECIALS!

1—No. 59C Vallez Rotary Filter, 942 sq. ft., with Monel Leaves.
2—Devine 10"x10" Two Stage Dry Vacuum Pumps.
1—36"x36" Cast Iron Filter Press, plate and frame, 48 chambers.
2—Buffalo Atmospheric Drum Dryers, 2'x3', 5'x6'.
1—Vulcan 6'x42' Rotary Dryer.
1—W. & P. 100-gal. Jacketed Mixer, Sigma Blades.
1—W. & P. 150-gal. Stainless Steel Lined Mixer.
1—13" Belt Conveyor, 25' centers, with motor.
1—No. 5 Sweetland Filter, stainless steel lined with 15 stainless steel leaves.
3—Swenson Walker Continuous, Jacketed Crystallizers, 24"x30'.
1—Day 300-gal. Aluminum Lined Jacketed Mixer.
1—Day No. 10 Imperial Jacketed Mixer, 30 gal.
2—6'x5' Jacketed Closed Pressure Kettles.
1—Jacketed Steel Still 500 gal. with 24" dia. Steel Column.
4—Jacketed Agitated Steel Kettles, 650, 600 gal.
5—Day Cincinnatus, Read 75 and 100 gal. Mixers.
1—Colton No. 4 Single Punch Tablet Machine, 1" tablets.
1—W. & P. 20-gal. Mixer.
5—World, Ermold Labelers.
1—Struthers Wells 2,200 sq. ft. Triple Effect Evaporator.
1—Filler Machine Co. 6 Spout Filler.
3—Day 12"x32" Roller Mills.
1—Copper Steam Jacketed 80 gal. Kettle, agitated.
1—Shriver Diaphragm Pump, 45 gpm, 5 H.P. motor.
1—Oliver Filter, 5'x8', all steel.
2—Oliver Acid Proof Filters, 5'4"x6', 8'x8'.
3—Shriver 24", 36", 42" Wood Filter Presses.
1—Sperry 18" Cast Iron Filter Press, 10 chambers.
12—Centrifugals, 32", 40", 48" steel, bronze baskets, top and bottom discharge.
1—Goldman Rotary Bottle Washer, 80 spout.
3—Hersey Rotary Dryers, 5'x30'.
1—Copper Rotary Dryer, 6'x17'.
2—Scott 4'x8' Vacuum Cookers.
1—Buffalo 24" x 20" Vacuum Drum Dryer.
2—Rotary Kilns, 6'x60'.
2—Rotary Dryers, 3'x20', 4'x35'.

Miscellaneous: Complete stocks pumps, tanks, filters, boilers, etc.

Partial List Only. Your Inquiries Solicited. Send us your lists of surplus equipment.

BRILL
Equipment Co.
225 WEST 34th STREET
NEW YORK 1, N. Y.
BRyant 9-2040

2—Batteries (9 and 11) Tolhurst 40" Suspended Type, Centrifugals, Motor Driven, Bottom Discharge.

12—Filter Presses, Iron, Wood and Rubber, 18" to 42" sq.
1—Ball & Jewell No. 1½ Rotary Cutter.
1—54"x48" Silex Lined Pebble Mill.
2—No. 0000 and No. 0 Raymond Mills.
1—W. & P. 20 gal. Jack. Double Arm Mixer, Motor Driven.
2—Bonnot 27" dia. Iron Filter Presses.
6—Autoclaves, 200 to 1,500 gals.
12—Vertical, jacketed, agitated Kettles, up to 1,500 gals.
3—10, 250 & 1,500 gal. lead lined closed Kettles.
2—Dopp 50 & 80 gal. Jack. Agit. Kettles.
1—250 gal. Copper Jack. Vac. Still and Receivor.
1—Pfaudler 350 gal. Jack. Agit. Steel Kettle, Copper Lined.
1—700 gal. Steel Copper Lined Vac. Filter Tank.
1—600 gal. Steel Copper Lined Agit. Tank.
6—20, 35, 75 & 250 gal. Closed, Agitated Jacketed Copper Kettles.
20—50 gal. Vert. Agitated Steel Tanks with Netteo Drives.
3—Single Punch Preform Tablet Machines, ½" & ¾".
1—Homogenizer, 10 HP, motor driven.
25—Hydr. Presses, Pumps and Accumulators.
1—Houchin 4" Plodder, Motor Driven.
1—75 lb. Powder Mixer, motor driven.
1—Dunning & Boschert 2,000 lb. Double Arm Steel Powder Mixer.
2—Blystone 2,000 lb. Jacketed, Horiz., Paddle Type Steel Mixers.
1—25 gal. Ross Double Arm Heavy Duty Tilting Mixer.
6—Horizontal Mixers, 25 to 150 gals., Single & Double Arm.
1—Faust 150 gal. Jack. Spiral Mixer.
1—Robinson 20" M.D. Attrition Mill.
1—Howe Barrel & Bag Packer.
2—4,000 gal. Vert. Acid Proof Tanks.
3—Devine Horiz. Vac. Pumps, 8"x6" & 4"x6".
2—Wall Vert. Dry Vac. Pumps, 4"x2½", Motor Driven.
1—Devine No. 37X, Vert. Condenser & Receiver.
1—No. 3 Oliver 14"x8" Duplex Vacuum Pump.
1—Penn. Vac. Pump, 14"x5".
2—DeLaval Separators, Lab. size & No. 302.
2—DeLaval Multiple Clarifiers, Nos. 300 & 600, motor driven.
3—Day & Ross 8 gal. Pony Mixers.
1—Ross 2 Roll Granite Stone Mill, 8"x12".
1—5 Roll water cooled 16"x40" Steel Roller Mill.
2—Ross 3 Roll Water Cooled 12"x30" & 16"x40" Steel Roller Mills.
3—Double Stand Steel 4 Roller Mills, 7"x18", 7½"x20" & 7½"x30" Rolls
10—Pebble & Jar Mills, Lab. to 250 gal.
3—Tolhurst 24", 26" & 40" Centrifugals.
8—Stone Mills, 8" to 32".
8—Lead & Paste Mixers, 50 to 135 gals.
5—Varnish Kettles, 100 to 200 gals.
10—Steel & Wood Tanks, up to 4,000 gal.
1—Schutz-O'Neil 20" Pulverizer.
2—Double Roll Crushers.
2—Williams No. 2XX & No. 3 "Regular" type Hammer Mills.
10—Electric Agitators, ¼ to 2 HP.
30—Rotary, Centrif. & Triplex Pumps.
6—Gas Boilers, Lab. to 10 HP.

Only Partial Listings
Write for Complete Bulletins
We Buy Your Surplus Machinery

STEIN EQUIPMENT COMPANY
Department E
426 BROOME ST., NEW YORK 13, N. Y.
CANAL 6-8147

ABBE PEBBLE MILL

Size 6 ft. dia. x 5 ft. long
Porcelain Lining
Complete with 20 h. p. motor
Silent Chain Drive
Compensator and Switch

EMSCO EQUIPMENT COMPANY
EMIL A. SCHROTH, Owner
43 HYATT AVE., NEWARK 5, N.J.
Phone: Mitchell 2-3536

IN STOCK

DISTILLING COLUMNS:

18" DIA. WATER SCRUBBING COL. Lead-Lined. Excellent Cond., Drwg. Avail.
48" DIA. C.I. RECTIFYING COLUMNS. Containing 24 bubble cap type plates, 6 caps per plate. Complete with coolers.
78" DIA. C.I. RECTIFYING COLUMNS. 30 bubble cap type plates with 12 caps per plate. Complete with coolers.
3'4" to 10'0" STEEL COLUMN containing 15—3'4" dia. and 3—10'0" dia. bubble cap type plates. Drawings available.
48" DIA. EVERDUR COLUMN—Bubble cap type plates. An exceptional value.
TANKS, COPPER, STEEL, BRASS, ALUMINUM, STAINLESS—Large stock.
AMMONIA COOLERS.
HAMMER MILL: Williams, Cap. 1,000 to 1,200 lbs. corn per hour.
3—JEFFREY SWING HAMMER SHREDDERS, type E, size 42" x 36" compl. with Westinghouse 100 H.P. motor, etc.
PUMPS—CENTRIFUGAL AND STEAM, all sizes. Bronze or Iron.
TUBING & PIPE—Stainless, Brass, Aluminum, Copper.
YEAST CULTURE MACHINE—All Copper.
ACE OIL BURNER—Excellent condition.
LAWRENCE TRIPLE EFFECT EVAPORATOR. Complete in one body.
9—COIL-TYPE VACUUM PANS: (Complete with Condensers, Catch-alls, etc.)
2—WORTHINGTON CONDENSERS—1,150 sq. ft. surface each—complete with Simplex Pumps. Others from 100 to 1,000 sq. ft. of surface.

SPECIAL . . . COCHRANE SURFACE TYPE DEAERATOR HEATER
Designed for 40 lb. Working Press. Will sell at fraction of original cost.

Close Out: Valves—All Sizes

SURPLUS EQUIP. NEEDED
A single piece or a complete plant. Send Us Your List

Write for Our Complete List

ORELAND EQUIPMENT CO.
P.O. BOX "E", ORELAND, PENNA.

Can we help you dispose of your

WASTE SULPHURIC ACID

problem.

MODERN RECLAIMATION PLANT

ESTABLISHED 1892

RIVERSIDE ACID & INHIBITOR CO.
P. O. Box 477 Warren, Pa.

LIQUIDATING

1—500 gallon Devine High Pressure Autoclave.
1—Dopp Steam Jacketed Mixing Kettle.
5—Copper Steam Jacketed Mixing Kettles.
3—Paterson Silex Lined Pebble Mills.
1—Rubber Lined Tank.

SPECIAL

BOILERS AND TURBO GENERATORS

30—High Pressure Water Tube Boilers, from 250 H.P. to 600 H.P.
8—Turbo Generators, from 400 K.W. to 2750 K.W.

Send for special circular.

4—8000 gallon Steel Pressure Tanks.
75—Ton Cast Iron Pipe 8" to 18"
4—Permutit Water Softeners.
1—500 gal. Steam Jacketed Copper Kettle.
4—H & T Water Filters, 8' x 20'.

***Republic* TEXTILE EQUIPMENT COMPANY**
40 Worth Street, New York 13, N.Y.
Phone: COrtlandt 7-1591

FOUNDED T & B 1856
GUMS
Arabic · Karaya · Tragacanth
T & B STANDARDIZED GUMS
are your best protection against production difficulties
THURSTON & BRAIDICH
286 Spring Street, New York 13, N. Y.

GUMS
NATURAL
POWDERED —— CRYSTALS
KARAYA ARABIC TRAGACANTH LOCUST BEAN
MYRRH SANDARAC OLIBANUM SHIRAZ
WM. M. ALLISON & CO.
162 Water St., N. Y. 7, N. Y. Telephone: WHi 3-7422

VANILLA BEANS
ZINK & TRIEST CO.
15 LOMBARD ST. PHILADELPHIA 47, PA.

• VANILLA BEANS •
OIL ORANGE, C.P. Cal. U.S.P.
TONKA BEANS
HUNZIKERS, Inc., 520-524 W. ERIE ST., CHICAGO 10, ILL.

GUMS
WHOLE AND POWDERED
TRAGACANTH ★ ARABIC
KARAYA (Indian Gum) ★ LOCUST BEAN
FRANK-VLIET CO., INC.
160 Water St., New York 7, N. Y.

M. Cortizas & Co.
IMPORTERS OF VANILLA BEANS
ALL VARIETIES
731-733 ARCH STREET
PHILADELPHIA 6, PA.
CABLE ADDRESS —— VANCORT
CODES · BENTLEY'S SECOND PHRASE
—— AND PRIVATE ——

Botanical Drugs

—*Continued from page 60*

pound. Some Madagascars already past Durban were 16½c. to 17c.

Ginger—Bleached Cochin, lower at 27c. to 27½c. per pound; unbleached, 23½c. to 24c. Calicut root, 24c. to 25c. Jamaica, No. 1, 24½c. to 25c.; No. 2, 23¾c. to 24¼c.

Mace—All kinds and varieties of this article were strictly nominal in price, mainly because of being unavailable in spot warehouses.

Paprika—California offers a sweet Caliente article at 36c. to 36½c. per pound. Extra fancy Portuguese, up to 40c. to 41c.

Pepper—Carolina sport chillies were higher at 46c. to 47c. per pound. Old crop Louisiana sports were out of supply. Some old crop longs were higher at 32c. to 32½c.

Los Angeles, Feb. 14.—This market was quiet here last week, with little trading and no price changes recorded. Prices are:—

Calendula Flowers—Nominal at $2 per pound.

Marjoram—French type quoted at 45c. per pound in dried form.

Sage—Dalmatian type, 80c. per pound for small lots containing less than 12 percent stems. Leucophylla quoted at 55c. for small lots.

Savory—French type nominal at 90c. per pound in small lots.

Sweet Basil—Quoted at 90c. per pound in dried form.

Thyme—French type nominal at 90c. in dried and clean form.

Schering Plans Expansion

The Equitable Life Assurance Society of the United States has granted a $1,600,000 loan to the Schering Corporation for enlargement to buildings and additions to equipment in plants at Bloomfield and Union, N. J.

Fumigators to Be Licensed

The St. Louis Board of Aldermen has passed a bill providing for licensing of fumigators and more stringent regulations for the conduct of their work.

MUSTARD FLOUR
ALL GRADES
USP
USP BROWN
Special for Mayonnaise
Old Dutch Mustard Co., Inc.
Manufacturers
70 METROPOLITAN AVE., BROOKLYN 11, N.Y.
Phone EVergreen 7-9156

Business Wants

—*Continued from page 65*

POSITIONS VACANT

Development Chemist—Under 40, with research and development experience in cosmetics, proprietaries and pharmaceuticals; $4,000 to $5,000 starting salary depending on capabilities. Excellent chance for advancement with growing, progressive Memphis company in post-war expansion program. Give summary of education, past experience and earnings, family and draft status. If possible enclose recent photograph. If interested will arrange interview at our expense. Write Personnel Manager, Post Office Box 2563, Memphis, Tennessee.

Compounder — Flavors and perfumes, wanted by well established progressive firm as head of newly organized compounding department. Attractive salary on either bonus or profit-sharing basis. OPD 714.

Wanted—Manufacturing chemist or plant foreman to take charge of production in plant manufacturing textile chemical specialties; such as sulphonated softeners, soaps, detergents, sizings, etc. Plant located in South. Products rated as war essential. OPD 717.

POSITIONS WANTED

Wide experience in all phases of paint and varnish technology, both laboratory and plant, also experienced in numerous related fields, now employed but seeks new connection with post-war future as superintendent or technical director. OPD 673.

Chemist with wide experience desires to contact firm interested in production of extracts, oleoresins and active principles of botanicals. Northern New Jersey or New York area. OPD 687.

Adhesive specialist, graduate chemist, long experience in production, research and promotion of wet and dry pastes and glues, solvent and emulsion type adhesives. Original, own formulas. Seeking connection with firm interested to build a line in this field or executive position in adhesive concern. OPD 702.

Young man with thorough commercial education and training, practical experience in manufacturing and refining of medicinal, feeding and industrial marine liver oils and fats, wants connection with reliable firm. OPD 705.

Export manager, American citizen, many years worldwide experience industrial, fine chemicals, tar products, disinfectants, pharmaceuticals, plastics, with valuable connections abroad, wants to join larger organization. Available March. Best references. OPD 706.

Pharmacist, 42, married, wishes to change from retail pharmacy to industrial or commercial position; learn production, clerical, or any capacity offering opportunity, New York City area; willing, conscientious, reliable. OPD 709.

Capable executive, American, university graduate, experienced in sales of chemical and allied products, domestic and export, personnel and office management, presently employed, desires connection with progressive organization where his New York and California experience would prove valuable in the coming battle for markets. Would return to West Coast. OPD 710.

General manager, 48, successful administrator, active domestic sales and export executive. Specialized experience industrial chemicals, paint pigments, raw materials, metals. Will consider opportunity with successful growing organization with optional investment up to $50,000. Required earnings lower five figure bracket. OPD 715.

Development engineer with excellent procurement facilities available for development and modernization work of oil and chemical processing plants. OPD 652.

Charles A. Higgins, president of the Hercules Powder Company, Wilmington, Del., has been elected a Class B director of the Philadelphia Federal Reserve Bank.

GUMS
(CRUDE, POWDERED)
Chemicals and Oils
REPRESENTATIVES:
CHICAGO: CLARENCE MORGAN, INC.
BOSTON: P. A. HOUGHTON, INC.
PHILADELPHIA: R. PELTZ & CO.
ST. LOUIS: H. A. BAUMSTARK & CO.
PAUL A. DUNKEL & CO.,
INCORPORATED
IMPORTERS AND EXPORTERS
1 WALL STREET, NEW YORK, Hanover 2-3750

GUMS:
GUM ARABIC
GUM ARABIC BLEACHED
GUM GHATTI
GUM KARAYA (Indian)
GUM TRAGACANTH
GUM EGYPTIAN
GUM LOCUST (Carob Flour)
QUINCE SEED
★
CASEIN
SPECIALTIES:
MENTHOL (Crystals)
PEPPERMINT OIL
TARTARIC ACID
CREAM OF TARTAR
GLUCOSE (U.S.P.)
COUMARIN
★
EGG ALBUMEN
EGG YOLK
BLOOD ALBUMEN
JAPAN WAX
CANDELILLA WAX
CHICAGO: 919 N. MICHIGAN AVE.,
TEL. SUP. 2462

JKL
WE OFFER
FOR PROMPT SHIPMENT:
HENBANE LEAVES NIGER
HYOSCIAMUS MUTICUS
ORRIS ROOT
STROPHANTHUS SEED KOMBE & GRATUS
WORMWOOD LEAVES RUSSIAN
•
JOHN KELLYS
(LONDON) LTD.,
24 Old Broad St., E. C. 2,
London, England
REPRESENTATIVE FOR U. S. A. AND CANADA:
HERBERT H. PARKER
2 Broadway, New York 4, N. Y.

Index to Advertisements

A

Advance Solvents & Chemical Corp.. 67
Allied Asphalt & Mineral Corp..... 47
Allison, Wm. M., & Co..... 66
Amcon Trading Corp..... 48
Amecco Chemicals, Inc..... 39
American Colloid Co..... 43
Anderson-Prichard Oil Corp..... 68
Andresen, J. C..... 62
Ansul Chemical Co..... 39
Apex Chemical Co., Inc..... 56
Arista Oil Products Co..... 48
Aromatic Products, Inc..... 62
Atlantic Coast Fisheries Co..... 52

B

Baker, J. T., Chemical Co..... 1
Barcan, Irving, Co..... 65
Barclay Chemical Co..... 48
Barium & Chemicals, Inc..... 38
Barium Reduction Corp..... 35
Barnett Laboratories 56
Barrett Division 40, 57
Bay Chemical Co., Inc..... 34
Beacon Company 44
Bemis Bro. Bag Co..... 12
Berk, F. W., & Co., Inc..... 51
Berlage, J., Co..... 52
Brill Equipment Co..... 65
Brode Corp., The..... 48
Bromund, E. A., Company..... 47
Buffalo Electro-Chemical Co., Inc..... 39
Burke, Edward S..... 54
Bush Aromatics, Inc..... 62
Bush, W. J., & Co., Inc..... 61

C

Calco Chemical Division..... 14
Calif. Fruit Growers Exchange, Products Dept..... 24
Calo, John H., Co..... 47
Chemical & Process Machinery Co.... 65
Chemical Products Corp..... 36
Chemical Sales Corp..... 68
Chemical Service Co..... 48
Chemical Solvents, C. P., Inc..... 68
Church & Dwight Co., Inc..... 35
Cleveland Steel Barrel Co..... 44
Colgate-Palmolive-Peet Co..... 52
Consolidated Products Co., Inc..... 64
Cooper, T. G., & Company..... 48
Cortizas, M., & Company..... 66

D

Darling & Co..... 47
Demsee Associates..... 38
Devold, Peder, Oil Co., Inc..... 19
Diamond Alkali Co..... 37
Dickerson Company..... 57
Diehl, Wm., & Co..... 46
Dodge & Olcott Co..... 62
Douglass Sulphur Co..... 57
Dow Chemical Co..... 56
Dreyer, P. R., Inc..... 61
Duff Chemical Co., Inc..... 36
Dunkel, Paul A., & Co., Inc..... 66
Du Pont de Nemours, E. I., & Co., Inc. 1

E

Edwal Laboratories 56
Emery Industries, Inc..... 46
Emsco Equipment Co..... 65

F

Faesy & Besthoff, Inc..... 35
Firmenich & Co..... 62
First Machinery Corp..... 64
Fisher Chemical Co..... 55
Florasynth Laboratories, Inc..... 61
Frank-Vliet Co., Inc..... 66
Franks Chemical Products Co..... 43
Fries & Fries, Inc..... 52
Fritzsche Bros., Inc..... 61
Fulton Bag & Cotton Mills..... 67

G

Gair, Robert, & Co., Inc..... 15
Gartenberg, H., & Co., Inc..... 49
General Drug Co..... 23
General Magnesite & Magnesia Co.... 34
Gesell, R., Inc..... 55
Golwynne Chemicals Corp..... 13
Gray, Wiliam S., & Co..... 1
Greeff, R. W., & Co..... 54
Gross, A., & Co..... 47

H

Harco Chemical Corp..... 56
Hardesty, W. C., Co..... 46
Heyden Chemical Corp..... 55
Hoffmann-La Roche, Inc..... 31
Hopkins, J. L., & Co..... 59
Horn, Jefferys, & Co..... 44
Huisking, Chas. L., & Co., Inc..... 19
Hunt Chemical Works, Inc..... 36
Hunzikers, Inc..... 66
Hutchinson, D. W., & Co., Inc..... 61

I

Inland Alkaloid Company..... 54
Inland Steel Container Co..... 38
International Minerals & Chemical Corp. 54
Irvington Smelting & Refining Works 36

K

Kachurin Drug Co..... 59
Kellys, John (London), Ltd..... 66
Kentucky Color & Chemical Co., Inc. 44
Kessler Chemical Co., Inc..... 51
Koppers Co., Inc..... 41

L

Lamon Chemical Corp..... 54
Lawson, W. B., Inc..... 34
Lever Brothers Company..... 52
Loeb Equipment Supply Co..... 65
Machinery & Equipment Corp..... 65

M

Magnus, Mabee & Reynard, Inc..... 61
Mallinckrodt Chemical Works..... 53
Marine Magnesium Products Corp.... 55
May & Baker (Canada), Ltd..... 56
McKesson & Robbins, Inc..... 6
Merchants Chemical Co..... 36
Merck & Co., Inc..... 8
Michigan Chemical Corp..... 38
Moesch, Walter, & Co..... 48
Monsanto Chemical Co..... 50
Munn, W. A., & Co..... 55
Mutual Chemical Co. of America.... 49

N

National Can Corporation.....16, 17
Natural Products Refining Co..... 20
Naylee Chemical Co..... 36
Neuberg, William D., Co..... 11
Neville Company..... 68
New Jersey Zinc Company..... 45
Niagara Alkali Company..... 21
Niagara Chlorine Products Co..... 49

O

Ohio-Apex, Inc..... 43
Oil States Petroleum Co., Inc..... 63
Oldbury Electro-Chemical Co..... 39
Old Dutch Mustard Co..... 66
Oreland Equipment Co..... 65
Osborn, C. J., Co..... 43

P

Pacific Coast Borax Co..... 1
Pacific Vegetable Oil Corp..... 44
Parker, Herbert H..... 66
Parsons, M. W..... 44
Peek & Velsor, Inc..... 60
Penick, S. B., & Co..... 58
Pennsylvania Industrial Chem. Corp. 43
Pennsylvania Refining Corp..... 63
Pennsylvania Salt Mfg. Co..... 18
Petroleum Specialties, Inc..... 48
Pfaltz & Bauer, Inc..... 54
Pfizer, Chas., & Co., Inc..... 33
Philadelphia Quartz Co..... 36
Pittsberg Chemical Co..... 36
Pittsburgh Plate Glass Co., Columbia Chemical Division..... 28
Prentiss, R. J., & Co., Inc..... 60
Prior Chemical Corp..... 1
Procter & Gamble.....46, 55

R

Read, Chas. L., & Co., Inc..... 35
Reichard-Coulston, Inc..... 43
Republic Steel Corp..... 41
Republic Textile Equipment Co..... 65
Rhodes Chemical Corp..... 36
Riverside Acid & Inhibitor Co..... 65
Rosenthal, H. H., Co..... 68
Rufert Chemical Co..... 13

S

Santonine Co. of America..... 19
Scandinavian Oil Co..... 49
Schwab Brothers Corp..... 43
Sergeant, E. M., Pulp & Chemical Co. 36
Sharples Chemicals, Inc..... 1
Shell Chemical Div..... 26
Shepard Chemical Corp..... 68
Sherwood Refining Co., Inc..... 63
Silmo Chemical Corp..... 56
Skelly Oil Co..... 27
Smith, George F..... 39
Smith, J. Lee, & Co., Inc..... 44
Smith, Kline & French Labs..... 52
Solvay Sales Corp..... 29
Sonneborn, L., Sons, Inc..... 68
Standard Brands, Inc..... 2
Standard Drug Co., Inc..... 56
Standard Ultramarine Co..... 45
Stauffer Chemical Co..... 52
Stein Equipment Co..... 65
Synthetic Products Co..... 42

T

Tamms Silica Co..... 44
Texas Gulf Sulphur Co., Inc..... 57
Thompson-Hayward Chemical Co.... 34
Thurston & Braidich..... 66
Titanium Alloy Mfg. Co..... 30
Titanium Pigment Corp..... 22
Turner, Joseph, & Co..... 35

U

Ultra Penn Refining Co..... 63
U. S. Industrial Chemicals, Inc..... 42
van Ameringen-Haebler, Inc..... 62

V

Van Pels, Max..... 52
Virginia Smelting Co..... 38

W

Washine-National-Sands, Inc..... 38
Wilson-Martin Div..... 46
Woburn Chemical Corp. (N. J.)..... 43
Wood Ridge Division..... 51
Wyandotte Chemicals Corp..... 25

Z

Zink & Triest Co..... 66
Zinsser & Co., Inc..... 36

ADVASOL LIQUID DRIERS *Mean... Performance Plus*

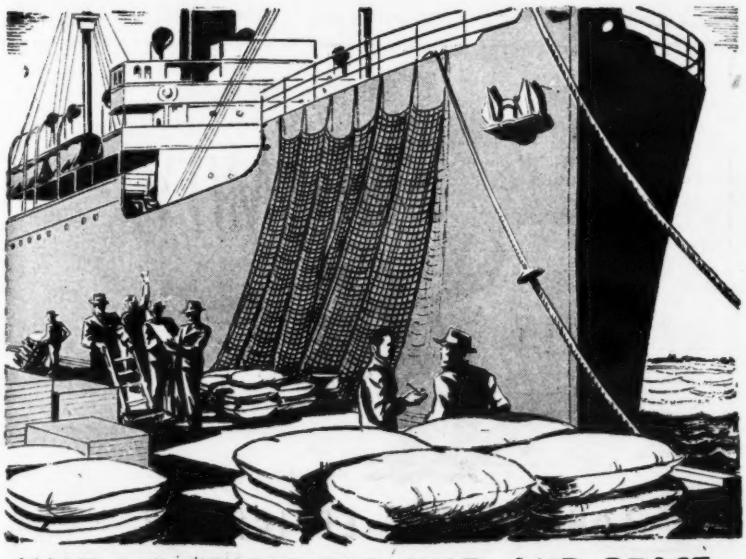
★ Our ADVASOL LIQUID DRIERS...lead, cobalt, and manganese...are highly efficient drying agents for all types of paint, varnish, and enamel.

Manufacturers with war orders may still have SOLIGEN DRIERS, allocated to them on application to the War Production Board.

★ *LET OUR RESEARCH AND TECHNICAL STAFF HELP YOU SOLVE YOUR DRIER PROBLEMS.*

★ *For sample and further data address:*

★★ ADVANCE ★★
SOLVENTS & CHEMICAL CORPORATION
245 FIFTH AVENUE NEW YORK, N.Y.



MOVE MATERIALS FOR WAR AND PEACE IN *Fulton* WATERPROOF COTTON AND BURLAP PAPER LINED BAGS

Fulton Bags carry through. It takes a tough moisture resistant bag to get there in good shape, protecting its contents under all loading and shipping conditions. The waterproof paper lined cotton and burlap must be of even strength—the bag seaming must be dependable and stand up under the pressure of weight and handling. Our plants have supplied millions of bags for use in combat areas. Back here at home bags must move a long list of essentials ranging from hygroscopic chemicals to food items. Many Fulton Waterproof Paper Lined Bags are replacing containers made of critical materials—metal drums, wooden boxes and barrels. We will continue to serve for war and the home front to the limit of our ability.

FULTON BAG & COTTON MILLS
Manufacturers Since 1870
Atlanta St. Louis Dallas
Minneapolis New York New Orleans Kansas City, Kan.

PLASTICIZERS

Dibutyl, Diethyl and Dimethyl Phthalates - Tricresyl Phosphates

CHEMICAL SOLVENTS

Incorporated

60 Park Place Telephones: BArclay 7-8862 MArket 2-3650 Newark 2, N. J.

SONNEBORN

WHITE MINERAL OILS

PETROLATUMS and

PETROLEUM SPECIALTIES

Proving their ability to extend materials now restricted, these products can help you solve raw material problems.

L. SONNEBORN SONS, INC.

Refiners of White Mineral Oil and Petrolatum

Refineries: Petrolia and Franklin, Pa. • Offices: New York • Chicago Baltimore • Philadelphia • Los Angeles • Stocks Carried in Principal Cities Southwestern Distributors: Sonneborn Brothers, Dallas, Texas

MENTHOL, U.S.P., Natural

CASEIN For Shipment

We Invite Inquiries on All Chemical Export Requirements

SHEPARD CHEMICAL CORPORATION

33 West 42nd St. Telephone Wisconsin 7-9370 New York 18, N.Y.

H. H. ROSENTHAL CO.

SERVING BUYER NEEDS HERE AND IN ALL WORLD MARKETS

DRUGS · CHEMICALS · OILS · WAXES

OVER 25 YEARS OF SERVICE

NEW YORK

25 EAST 26th STREET, NEW YORK 10, N. Y. • Cable Address "RODRUG," All Codes

INDUSTRIAL and REAGENT CHEMICALS

COAL TAR PRODUCTS

PHONE GRANT 3750

CHEMICAL SALES CORPORATION OF PITTSBURGH

1900 GRANT BUILDING

CHEMICAL SALES CORPORATION

PITTSBURGH (19,) PENNSYLVANIA

NEVILLE

COUMARONE RESINS

THE NEVILLE COMPANY

PITTSBURGH 5, PA.

LONG RANGE EFFICIENCY

ANDERSON-PRICHARD INDUSTRIAL NAPHTHAS

The carefully maintained standard of quality of Apcothinner, Troluoil and Petrolene and other Anderson-Prichard technical naphthas, is a real factor in helping manufacturers guard the good reputation of their products. Long range efficiency begins in the laboratory—in sound formulating—and here again Anderson-Prichard serves the industry through its research facilities. If our technicians can help you, as you plan new or improved products, we will consider such service a real privilege.

Atlantic Division: D. H. LITTER CO. NEW YORK BOSTON PHILADELPHIA

ANDERSON-PRICHARD OIL CORPORATION

PRODUCERS REFINERS

OKLAHOMA CITY, OKLA.

Laboratories: Cyril, Okla.; Chicago, Ill.; Akron, Ohio; New York City

Canadian Representative: APCO PETROLEUM PRODUCTS, LTD. MONTREAL TORONTO

AKRON CHICAGO KANSAS CITY DETROIT INDIANAPOLIS SOUTH BEND
CINCINNATI CLEVELAND ST. PAUL ST. LOUIS PITTSBURGH MILWAUKEE